CONSTRUCTION NEWS

Supplement to ENGINEERING NEWS. New York, June 13, 1907.

CONTENTS.

CONSTRUCTION NEWS:
Plans and Specifications on File.... 211
List of Contracts Pending..... 211
Railways 211
Electric Railways 212
Light and Power Plants..... 212
Bridges 212
Buildings 213
Water Supply and Irrigation..... 213
Sewerage 214
Streets and Roads..... 214
Manufacturing Plants 214
Miscellaneous Contracts 215
U. S. Possessions and Cuba..... 216
Foreign Contracts 216
Contract Prices 216
Engineering Material Prices..... 216
CIVIL SERVICE EXAMINATIONS..... 216
READERS' WANTS 217
INDUSTRIAL NOTES 217
PROPOSALS 218

CONSTRUCTION NEWS.

PLANS AND SPECIFICATIONS ON FILE.

(denotes that this work is advertised in Engineering News.)*

The following Plans (P.) and Specifications (S.) are on file and may be seen at the office of The Engineering News Publishing Co., 220 Broadway, New York:

See Issue

June

*14—Pontoons, Cincinnati, O.....(S) 5-16
*15—Jetty work, Sabine Pass, Tex...(S) 5-16
15—Riprap, seawall, Winthrop, Mass.(S) 5-23
*17—Stone, Portland, Ore.....(S) 5-23
17—Jetty, Portland, Ore.....(S) 5-23
18—Breakwater, Los Angeles, Cal...(S) 6- 6
*20—Sewers, Ft. Edward, N. Y.(P & S) 6- 6
*25—Excavation, Boston, Mass.....(S) 6-6
*26—Bridges, etc., Mitchell, Neb.(P & S) 5- 9
*28—Dredging, Mobile, Ala.....(S) 6- 6
*29—Dredging, Boston, Mass.....(S) 5-30

July

*1—Concrete seawall, Sandy Hook, N. J.....(P & S) 6- 6
27—Dry dock, Bremerton, Wash....(S) 5-30

LIST OF CONTRACTS PENDING.

LIGHT, HEAT AND POWER PLANTS.

6-14*Light plant, Sausalito, Cal..... 5-30
6-14*Equipment, Phila., Pa..... 5-16
6-14 Dam, Fergus Falls, Minn..... 6-13
6-14 Power-house, Fergus Falls, Minn. 6-13
6-14 Lighting, St. Louis, Mo..... 6-13
6-14 Power-house, Moncton, N. B..... 6-13
6-15 Lamps, New York, N. Y..... 6-13
6-15 Lighting, Ft. Worden, Wash.... 6- 6
6-17 Equipment, New York, N. Y.... 6- 6
6-18*Heating, Ellis Island, N. Y..... 6-13
6-18*Light plant, Dora, Ala..... 6-13
6-20 Light plant, Rowlesburg, Va.... 6-13
6-21 Lighting, Columbus, O..... 6-13
6-21*Lighting, Niagara Falls, N. Y... 6- 6
6-24*Light plant, Ft. Wayne, Ind..... 6- 6
6-24 Equipment, New York, N. Y.... 6-13
6-25*Power plant, Paw Paw, Mich... 6-13
6-27 Equipment, New York, N. Y.... 6-13
7- 1 Heating, Omaha, Neb..... 6- 6
7- 9*Light plant, Jackson, Mo..... 6- 6
9- 3*Power plant, Winnipeg, Man.... 6-13

BRIDGES.

6-13 Bridge, Crookston, Minn..... 6- 6
6-14 Substructure, Cleveland, O..... 6- 6
6-14 Bridge work, Cincinnati, O..... 5-30
6-14*Flooring, Knoxville, Tenn..... 5-23
6-15*Trestle, etc., Ft. Dade, Fla..... 5-16
6-15*Bridge, Washington, D. C..... 5-30
6-15 Bridges, Moscow, Idaho..... 6- 6
6-15 Bridges, etc., Celina, O..... 6- 6
6-17 Bridges, etc., Rushville, Ind..... 6- 6
6-17 Abutment, Jefferson, O..... 5-30
6-17 Bridge plans, Wichita, Kan..... 6-13
6-18 Bridge, Brunswick, Mo..... 6-13
6-18 Bridge, Brunswick, Mo..... 5-30
6-20 Bridge, Greenville, O..... 5-30
6-20*Superstr., Grand Rapids, Mich.. 5-30
6-20 Bridges, Washington, Pa..... 6- 6
6-24 Approaches, etc., Columbus, O.. 6- 6
6-24 Bridges, Reno, Nev..... 6-13
6-25 Bridge, Nat. Soldiers' Home, Tenn. 5-23
6-26*Bridges, Mitchell, Neb..... 5- 9
7- 1*Bridge, Frackville, Pa..... 6- 6
7- 5*Bridge, Harrisburg, Pa..... 6-13
7- 6 Superstr., Enterprise, Ohio 6-13
7- 8 Bridge, Sandpoint, Idaho..... 6-13
7- 8 Substr., Fredericton, N. B..... 5-23
7- 8 Spans, Fredericton, N. B..... 6- 6
7- 8 Bridge, Hegerman, N. Mex..... 6- 6
7-10*Bridge work, Nashville, Tenn... 6- 6
7-10 Bridge, Toledo, Ohio 6-13
7-10*Bridge, Toledo, Ohio 6-13
7-15*Bridge, New Orleans, La..... 6-13
7-16 Bridges, etc., Toronto, Ont..... 6-13
7-16*Bridges, etc., Toronto, Ont..... 5-30
7-19*Bridge, Ft. Snelling, Minn..... 6-13
7-20 Bridges, Porto Rico..... 6- 6

BUILDINGS.

6-13*Post-office, Meriden, Conn..... 5- 9
6-13 Concentrating plant (Mfg. Plants) Sault Ste. Marie, Ont..... 6- 6
6-13 Public bath, New York, N. Y.... 6- 6
6-13 Mfg. plants, Peoria, Ill..... 6-13
6-15*Freight shed, Ft. Monroe, Va.... 6- 6
6-15*Ice plant (Mfg. Pl), Ft. Dade, Fla. 5-16
6-17 Post-office, Webster City, Ia..... 5-16
6-17 Schools, New York, N. Y..... 6- 6
6-17 Schools, Albany, N. Y..... 6-13
6-18 Laundry (Mfg. Pl), N. Y., N. Y.. 6-13
6-18 Alterations, New York, N. Y..... 6- 6
6-20*School, Bayonne, N. J..... 5-16
6-20*Air comp. plant, St. Paul, Minn.. 5-30
6-20 Painting, New York, N. Y..... 6-13
6-21 Armories, New York, N. Y..... 6-13
6-24 Post-office, Ogden, Utah..... 5-16
6-24 Heating, New York, N. Y..... 6-13
6-28*Cornice, Burlington, Vt..... 6- 6
7- 1 Pulp plant (Mfg. Pl.), Niagara Falls, N. Y..... 5- 2
7- 1*Post-office, Ithaca, N. Y..... 5-30
7- 2*Post-office, San Antonio, Tex.... 5-30
7- 3*Plumbing, Baltimore, Md..... 6-13
7- 8*School, Cincinnati, O..... 6-13
7- 8 Post-office, Ft. Worth, Tex..... 5-30
7- 9 Post-office, Colo. Springs, Colo... 6- 6
7-10 Post-office, Knoxville, Tenn.... 6-13
7-16*School, Newark, N. J..... 6-13
7-18*Post-office, Chattanooga, Tenn.. 6-13

WATER-WORKS.

6-14 Mains, New York, N. Y..... 6- 6
6-14 W.-Works, Henderson, Minn... 6-13
6-14 C.-I. water pipe, etc., Buffalo, N.Y 6-13
6-15*Box covers, Wash., D. C..... 5-30
6-15*Stop cocks, Wash., D. C..... 5-30
6-15 Tank, Ft. Dade, Fla..... 5-23
6-17*Engine, Bellaire, O..... 5-16
6-17 Mains, Fargo, N. Dak..... 6-16
6-19 W.-Works, Dalhousie, N. B..... 6- 6
6-19 W.-Works, Romney, W. Va..... 4-25
6-20 Weighing & recording machine, Buffalo, N. Y..... 6-13
6-21 W.-Works, East Troy, Wis..... 6-13
6-21*Ditches, Albany, N. Y..... 6- 6
6-24*W.-Works, Mineola, N. Y..... 6- 6
6-24*W.-Works, West Bend, Wis..... 6- 6
6-24*W.-Works, Carthage, N. Y..... 6-13
6-24 Water main, Albert Lea, Minn.. 6-13
6-24 C.-I. pipe, etc., West Bend, Wis. 6-13
6-25 Ditches, Greenfield, Ind..... 6-13
6-28*Pipe, Passaic, N. J..... 5-16
6-29 Filters, Sandusky, O..... 5-23
7- 1 Dam, Portland, Ore..... 4-25
7- 1 W.-Works, Harvey, N. Dak..... 5-30
7- 1*Filters, Ft. Hancock, N. J..... 6- 6
7- 1 W.-Works, Boise, Idaho..... 6-13
7- 1 Ditch, Alexandria, Minn..... 6-13
7- 1*Reservoir lining, Olean, N. Y... 6-13
7- 2 Reservoir, Salt Lake City, Utah. 6-13
7- 5*Wells, pipes, etc., Owosso, Mich. 6-13
7- 8*Dam, Livermore, Colo..... 6- 6
7-15 W.-Works, Eunice, La..... 5-30
8-19*Plans, Sacramento, Cal..... 5-30

SEWERS.

6-15 Sewers, Depew, N. Y..... 6-13
6-17 Sewer, Albany, N. Y..... 6-13
6-17*Sewer, Waterloo, Iowa 6-13
6-17*Sewers, Washington, D. C..... 5-30
6-18*Sewers, Allentown, N. H..... 5-30
6-18*Sewers, Ottawa, Ill..... 5-23
6-18*Sewers, Washington, D. C..... 6-13
6-18 Sewer, New York, N. Y..... 6-13
6-18 Sewers, Beaumont, Tex..... 6-13
6-18 Sewers, Idagrove, Iowa 6-13
6-19 Sewers, Amsterdam, N. Y..... 6-13
6-19 Sewer, New York, N. Y..... 6-13
6-19 Sewer, Elkhart, Ind..... 6-13
6-19*Sewers, Columbus, O..... 6-6
6-20*Sewers, Plainfield, N. J..... 6- 6
6-20*Sewers, Ft. Edward, N. Y..... 6- 6
6-20*Sewer, Washington, D. C..... 6- 6
6-20 Sewers, Cleveland, Ohio 6-13
6-21 Sewers, Delphos, Ohio 6-13
6-24*Sewers, Oxford, N. C..... 6- 6
6-27 Discharge pipe, Portsmouth, N.H. 6- 6
6-28*Sewers, Boston, Mass..... 6- 6
7- 1 Sewer, River Forest, Ill..... 6- 6
7- 1*Sewers, Pierre, S. Dak..... 6- 6
7- 1*Sewers, Columbus, Ind..... 6-13

STREETS AND ROADS.

6-13 Equipment, Newnan, Ga..... 5-23
6-13 Highways, Zanesville, O..... 6- 6
6-13 Paving, etc., New York, N. Y.... 5-23
6-14 Paving, Caldwell, O..... 6- 6
6-14 Macadam, Madison, Wis..... 6-13
6-14 Paving, Troy, N. Y..... 6-13
6-15 Macadam, Farmington, Conn.... 6-13
6-15 Roads, Ft. Snelling, Minn..... 6- 6
6-15 Roads, Celina, O..... 6- 6
6-17 Grading, etc., Chardon, O..... 6- 6
6-17 Macadam, Elyria, Ohio 6-13
6-17 Paving, etc., Louisville, Ky..... 6-13
6-17 Paving, Edwardsville, Ill..... 6-13
6-18 Paving, etc., Canandaigua, N. Y. 6-13
6-18 Paving, Bedford, Ind..... 6-13
6-18 Grading, etc., Upper Sandusky, O. 6-13
6-18 Paving, etc., New York, N. Y.. 6-13
6-18 Paving, etc., Cohoes, N. Y..... 6-13
6-19 Road work, Marietta, Ohio 6-13
6-19 Paving, etc., Piedmont, W. Va... 6- 6
6-19 Roads, Concord, N. H..... 6- 6
6-20 Paving, New York, N. Y..... 6- 6
6-20 Macadam, Plainfield, N. J..... 6-13
6-20 Sidewalks, Salt Lake City, Utah. 6-13
6-21 Paving material, Buffalo, N. Y.. 6-13
6-21 Sidewalks, etc., St. Louis, Mo... 6-13
6-21 Paving, McLeansboro, Ill..... 6- 6
6-22 Road repair, Cleveland, Ohio... 6-13
6-24*Paving, Elmira, N. Y..... 6-13
6-25 Paving, Marshall, Tex..... 6-13
6-25*Paving, Camden, N. J..... 6-13
6-25 Paving, Reynoldsville, Pa..... 5- 9
6-26 Grading, etc., New York, N. Y.. 6-13
6-26*Asphalt plant, Norfolk, Va..... 6- 6
6-27 Grading, Janesville, Wis..... 6- 6
6-27 Paving, etc., Janesville, Wis..... 6-13
6-27 Paving, etc., Geneva, N. Y..... 6-13
6-29 Roads, etc., Ft. Worden, Wash.. 6-13
6-30 Road repair, etc., Buffalo, N. Y. 6-13
7- 1 Roads, etc., Ft. Dade, Fla..... 6-13
7- 1 Walks, Ft. Niagara, N. Y..... 6-13
7- 1 Road, Greensburg, Ky..... 6-13
7- 1 Sidewalks, Ft. Riley, Kan..... 6- 6
7- 3 Highway, Mansfield, Ohio 6-13
7- 8 Paving, etc., Clarion, Pa..... 6-13

MISCELLANEOUS.

6-13 Seawall, San Francisco, Cal..... 5-23
6-13 Subway, New York, N. Y..... 5-23
6-13 Pipe fence, Brooklyn, N. Y..... 5-30
6-13*Hydraulic dredge, Wash., D. C.. 5-16
6-13 Removing columns, Bklyn., N. Y. 6- 6
6-13 Coal-hndlg. eqpmt, Hamilton, O. 6- 6
6-14 Concrete walls, etc., New York.. 6- 6
6-14 Barges, Vicksburg, Miss..... 5-30
6-14 Wharves, Ottawa, Ont..... 5-30
6-14*Pontoons, Cincinnati, O..... 5-23
6-14*Dams, etc., Rock Island, Ill.... 5-16
6-15 Cement, Los Angeles, Cal..... 5-16
6-15*Jetty work, Sabine Pass, Tex.... 5-16
6-15 Dredging, Hawaii 4-25
6-15*Gate-locks, etc., Nashville, Tenn. 5-23
6-15*Steel tug, Duluth, Minn..... 5-23
6-15*Tunnel, Chattanooga, Tenn..... 5-23
6-15*Riprap, seawall, Winthrop, Mass. 5-23
6-15 Coal-bunkers, Philadelphia, Pa.. 5-23
6-15 Fences, Fort Myer, Va..... 5-30
6-15*Freight shed, Fort Monroe, Va... 6- 6
6-15 Walls, etc., Oswego, N. Y..... 6-13
6-17 Fire system, Wash., D. C..... 6-13
6-17 Fire alarm telegraph, N. Y., N. Y 6-13
6-17 Sand, Cement, etc., New York.... 6- 6
6-17*Stone, Portland, Ore..... 5-23
6-17 Jetty, Portland, Ore..... 5-23
6-18*Dikes, Walls, Savannah, Ga..... 5-23
6-18 Breakwater, Los Angeles, Cal... 6- 6
6-18 Naval supplies, Wash., D. C.... 6-13
6-19 Sand, broken stone, N. Y., N. Y.. 6-13
6-19 Cobble, riprap, N. Y., N. Y.... 6-13
6-19 Dredging plant, Rock Island, Ill. 6-13
6-19*Dredging, New York, N. Y..... 5-23
6-20 Jetty repairs, etc., Cleveland, O. 5-30
6-20 Moving beacon, T'pkinsville, N.Y. 5-30
6-20*Air compressor, St. Paul, Minn. 5-30
6-20 Tunnel entrance, Boston, Mass.. 6-13
6-20 Dredging, Buffalo, N. Y..... 6-13
6-21 Cement, Ottawa, Ont..... 6- 6
6-21 River impvts., Albany, N. Y.... 6- 6
6-21 Eng. supplies, Panama..... 6-13
6-21 Breakwater, Mantua, N. J..... 6-13
6-22 Tow boat, Chattanooga, Tenn.... 6- 6
6-24*Pier, etc., Saugatuck, Mich..... 5-30
6-24*Breakwater, Duluth, Minn..... 5-30
6-25*Excavation, Boston, Mass..... 6- 6
6-25 Steel rails, etc., Ottawa, Ont.... 6-13
6-25 Stone, New York, N. Y..... 6-13
6-26*Dredging, Wilmington, Del..... 6-13
6-27 Library equipment, N. Y., N. Y. 6-13
6-28*Bituminous coal, N. Y., N. Y... 6-13
6-28 Dredges, Panama 6- 6
6-28*Dredging, Mobile, Ala..... 6- 6
6-28*Dredging, Duluth, Minn..... 6- 6
6-29*Concrete dam, Cincinnati, O.... 6- 6
6-29*Rock excavation, Portland, Me... 6- 6
6-29*Dredging, Boston, Mass..... 5-30
6-29*Garbage removal, Youngstown, O. 5-30
6-29 Lumber, piles, Wash., D. C.... 6-13
6-29*Dredging, Norfolk, Va..... 6-13
6-29 Concrete pier, Logan, O..... 6-13
7- 1*Metal work, Baltimore, Md..... 6-13
7- 1*Dredging, Baltimore, Md..... 6- 6
7- 1*Dredging, Montgomery, Ala..... 6- 6
7- 1*Seawall, Sandy Hook, N. J..... 6- 6
7- 1*Dredging, Fernandina, Fla..... 6-13
7- 2*Excavation, Ogdensburg, N. Y.. 6- 6
7- 3*Dredging, Detroit, Mich..... 6- 6
7- 5 Removing rock, Sandusky, O.... 6-13
7- 5*Levee, Memphis, Tenn..... 6-13
7- 5 Dredging, Cleveland, O..... 6-13
7- 6*Mattresses, New Orleans, La.... 6-13
7- 6*Dredging, Newport, R. I..... 6- 6
7- 8*Dam, Livermore, Colo..... 6- 6
7-10*Dredging, breakwater, New York. 6-13
7-10*Excav., etc., Jerseyville, Ill.... 6-13
7-12*Seawall, Mobile, Ala..... 6- 6
7-15*Seawall, New Orleans, La..... 6-13
7-15*Dredging, Urbana, O..... 6-13
7-27 Dry-dock, Bremerton, Wash.... 5-30

FOREIGN.

6-17 Rails, Ireland 6-13
6-18 Railway, Servia..... 6- 6
6-19 Gas works, New Zealand..... 6- 6
7- 1*Tunnel, New Zealand..... 9-13
7-10 Elec. equip., Australia 6- 6
7-15 Smelt. materials, Australia 6- 6
7-16 Telegraph material, Victoria..... 6-13
7-30 Railway, Spain 6- 6
7-31 Railway material, S. Australia.. 6-13
8- 2 'Phone materials, Australia 6- 6
8- 2 Wharf plans, etc., Sweden..... 5- 2
9-15 Abattoir plans, France..... 6- 6
12-31 City lighting, India 6- 6

CIVIL SERVICE.

6-19 Mechanician, Wash., D. C..... 6- 6
6-19 Clerk-Draftsman, Wash., D. C... 6-13
6-19 Inspector of Hulls, Seattle, Wash. 6- 6
6-19 Scientific Asst., Wash., D. C.... 6-13
6-26 Asst. Engr., Wash., D. C..... 6-13
6-26 Asst. Chemist, Wash., D. C..... 6-13
6-26 Surveyor, Wash, D. C..... 6-13
6-26 Ch. Engr., Chicago, Ill..... 6-13
6-26 Steam Engr., Wash., D. C..... 6-13
6-27 Insp. Sewer Constr., New York.. 6-13
6-29 Asst. Civil Engr., Albany, N. Y. 6-13
6-29 Eng. Examiner, Albany, N. Y... 6-13
6-29 Leveler, Albany, N. Y..... 6-13
7- 3 Nautical Expert, Wash., D. C... 6-13
7-10 Draftsman, Washington, D. C... 6-13
7-10 Lab. Inspect., Wash., D. C..... 6-13
7-31*Asst. Engr., New York, N. Y.... 6-13

RAILWAYS.

(denotes that this work is advertised in Engineering News.)*

ARKANSAS, LOUISIANA & GULF.—We are officially advised that contracts for grading have been let to J. HARRIS, of Monroe, La., for three miles; and to J. A. PERDUE & CO., Pine Bluff, Ark., for 18 miles. Alfred Cowles is Pres., Chicago. E. T. Bond is Ch. Engr., Monroe, La. Noted fully on May 16.

BUFFALO, ROCHESTER & EASTERN.—A. D. Robinson, Westfield, Mass., Secy., advises us that this "company has not yet secured its certificate from the Railroad Commissioners of New York State, consequently has done nothing in the way of awarding contract for the line or equipment of same. Engineers are now at work on the survey preliminary to a hearing before the railroad commissioners." As previously noted, the Buffalo, Rochester & Eastern R. R. Co. plans to build and operate a standard-gage railroad by steam, electricity or gasoline from Buffalo to Rochester and thence to Troy, a distance of 300 miles. The principal office of the road is to be located in Rochester. The line is to pass through the counties of Erie, Genesee, Olean, Monroe, Wayne, Cayuga, Onondaga, Madison, Oneida, Herkimer, Montgomery, Schoharie, Schenectady, Albany and Rensselaer. The capital stock is $3,500,000. The directors are Ralph G. Gillett, Henry W. Ely and Arthur D. Robinson, of Westfield, Mass.; Arthur W. Easton, of Pittsfield; Franklin Weston, of Dalton; Henry W. Bowman and Fred T. Levy, of Springfield; Joseph O. Skinner, of Holyoke; John J. Whipple, of Brockton, and James F. Sharpe, of Manchester, all in Massachusetts, and Joseph H. Caldwell, of Troy, N. Y.

COALGATE & WESTERN.—The Great Eastern & Western R. R. Co., it is reported, has changed its title to the Coalgate & Western R. R. Co. Henry J. Hildebrand, Coalgate, Ind., is Secy.

DEMOPOLIS & LINDEN.—This company has completed its incorporation to construct 16 miles of standard-gage railroad from Demopolis to Linden, Ala. The company is fully organized and has finished surveys and secured right-of-way and valuable franchises from Demopolis and $20,000 as a cash bonus. The company will float $225,000 in bonds for construction purposes. Henry McDaniel, of Demopolis, Ala., is interested.

GREAT EASTERN & WESTERN.—See Coalgate & Western.

IDAHO & NORTHWESTERN.—Incorporated by A. E. Gallagher and E. J. Taylor, of Moscow, Idaho; Earl M. Rogers, of Coeur d'Alene, Idaho; B. R. Lewis and Fred B. Morrill, of Spokane, Wash. The company is capitalized at $3,000,000. The line will run from Coeur d'Alene to Chatcolet and from there to a point in Washington.

IMPERIAL VALLEY.—A charter has been granted to this company in Texas. It will build a line from Sartartia, in Fort Bend County, near Sugarland, northwest along and east of the Brazos River to connect with the Houston & Texas Central Railway at or near Hempstead, Texas, 60 miles. The incorporators are W. T. Eldridge and F. J. Hillje, of San Antonio; R. Lee Kempner, D. W. Kempner and J. T. McCarthy, Galveston; C. T. Raynor, Sartartia; Charles Davis and J. W. Edwards, Eldridge, Colo.; J. C. Steinheimer, Galveston; Paul F. Pritchett, Houston.

NEW YORK, ONTARIO & WESTERN.—The New York State Board of Railroad Commissioners has consented to the issuance of bonds to the amount of $1,948,000 by the New York, Ontario & Western Ry. Co., under the mortgage of $12,000,000 already consented to by the board. The company is issuing the bonds for the purpose of providing funds for additions and improvements on leased lines and equipment. J. E. Childs is Vice-Pres. and Gen. Mgr., 56 Beaver St., New York.

NORTH CAROLINA.—The Wilkesboro & Jefferson Turnpike Co. has appointed a committee to negotiate with any railroad company or others to secure the building of a railroad along the turnpike from North Wilkesboro, N. C., via Jefferson to Preston. J. G. Hackett, H. O. Asher and T. C. Bowle are the committee. J. Respass is Engr.

OZARK TRANSIT CO.—J. J. Burns, Pres., 527 Victoria Bldg., St. Louis, Mo., advises us that surveys are under way for company's proposed line. Capital is ready and right-of-way is obtained. Company is doing its own work. The Ozark Transit Co. was incorporated with a capital of $50,000 to construct a railway from Waynesville, Mo., through the counties of Miller and Cole, touching Jefferson City, and from thence through Texas County, in a southerly direction, to Mountain Grove, in Wright County, Mo. The line will be from 50 to 110 miles long.

PENSACOLA & NORTHEASTERN.—Surveys are made, it is stated, by this company for its proposed line from Andalusia, Ala., southwest to Pensacola, Fla., 100 miles. It is said that construction work is soon to be started. The promoters include: J. L. Miller, C. M. Gordon, W. F. Scott and J. E. Habach, with office at Pensacola. The same interests, it is said, are promoting the Pensacola, Alabama & Western, projected from Pensacola to Meridian, Miss., and Memphis, Tenn.

PLATEAU VALLEY.—This company has been organized with the following directors: L. T. Stewart, T. H. Brown, John Carlisle, W. M. Porter, Patrick McCaffrey, S. M. Logan, L. L. Prewett, H. F. Roeschlaub and Morgan Hall, all of Plateau City, Colo. The officers elected are: L. T. Stewart, Pres.; John Carlisle, First Vice-Pres.; H. F. Roeschlaub, Sec.; T. H. Brown, Treas. Paul Blount is Engr.

ST. JOSEPH & NODAWAY VALLEY.—Survey has been made for this proposed railway from St. Joseph to Tarkio, Mo., via Savannah, Fillmore and Graham, 78 miles. I. R. Williams is Pres., St. Joseph, Mo. John Townsend is Vice-Pres., John Dolman, Sec. and Treas. and J. W. Brockett is Ch. Engr., all of St. Joseph.

SPRINGFIELD, BEARDSTOWN & QUINCY.—Incorporated in Illinois to construct a railway from Springfield to Quincy, Petersburg, Chandlerville and Beardstown. Capital, $25,000. The incorporators and directors include: George L. Harnsberger, Springfield, Ill.; Charles W. Brown, Jacksonville, Ill.; Henry H. Colby, Petersburg, Ill.; and others.

ST. LOUIS SOUTHWESTERN.—Preliminary survey has been made for a branch from Illmo, Mo., to Cape Girardeau. M. L. Lynch, Tyler, Tex., is Ch. Engr.

SOUTHERN PACIFIC.—Prominent officials of Los Angeles, Cal., have held a conference with E. E. Calvin, Gen. Mgr. Southern Pacific, in an endeavor to enlist the assistance of that company in building a railroad 80 miles long northward from Mojave, Cal., across the Mojave desert and through the Red Rock Canyon to the Owens River district, in Inyo County. It will mean an expenditure of about $2,500,000. The object of Los Angeles in wanting such a road is to use it in transporting material for the construction of 240 miles of aqueduct for its proposed new $24,000,000 Owens River water system.

WILLAMINA & SHERIDAN.—Company has been incorporated in Oregon to build a road from Willamina to Sheridan on the Southern Pacific, five miles. L. C. Palmer is Pres.; Dr. A. Kershaw, Vice-Pres.; C. E. Palmer, Sec. and Treas., Willamina, Ore. The road is expected to cost about $50,000, and its chief purpose is to furnish an outlet for the products of a mill and brick factory at Willamina.

WICHITA FALLS & SOUTHERN.—The company's charter has been approved to build a line from Wichita Falls, Tex., to Cisco, Tex., 125 miles. Joseph A. Owens, of Galveston, is reported to have the contract to build the line from Wichita Falls to Archer, Tex. The incorporators are James A. Kemp, Frank Kell, Robert T. Huff, Wiley Blair, Augustus Newby, J. T. Montgomery, N. Henderson and Charles C. Huff, all of Wichita Falls; I. H. Kempner, D. W. Kempner, E. Lasker and Julius Markowitz, of Galveston; P. P. Lungford, of Wichita Falls; and J. O. Donegby, of St. Louis, Mo.

ELECTRIC RAILWAYS.

(denotes that this work is advertised in Engineering News.)*

MARLBORO, MASS.—C. E. Stevens, of Sudbury, Mass., is promoting an electric railway from Marlboro to Waltham, Mass., 17 miles. No definite steps have been taken yet.

CANANDAIGUA, N. Y.—The New York State Board of Railroad Commissioners has consented to the issuance of a $2,000,000 mortgage by the Canandaigua Southern Electric R. R. Co. This company is planning to build an electric street surface railroad between Canandaigua, Ontario County, and Atlanta, Steuben County. The company has also filed with the board certificates of extension to build from Atlanta to Wayland, Steuben County, 6¾ miles; from Atlanta to Lake Salubria, near Bath, Steuben County, 21½ miles; and from Canandaigua to Palmyra, 14 miles.

ALBANY, N. Y.—The Ithaca-Owego Traction Co. has been incorporated to build an electric railway 50 miles long from Ithaca to Owego. Its capital is $200,000. The directors include J. F. Delaney, C. W. Munson, of Chicago, and local capitalists.

SYRACUSE, N. Y.—The Syracuse Rapid Transit Railway Co. plans to complete before the end of next year all of the extensions and improvements to the city street railway system which it has authority to make and those which it is now seeking authority from the city to construct. These improvements will mean an expenditure, it is said, of at least $400,000. Besides the extensions of lines this year, the company hopes to complete a workshop in the First Ward, which it is estimated will cost $150,000. C. Loomis Allen is Gen. Mgr., Gridley Block.

PHILLIPSBURG, N. J.—The Common Council has passed a 20-year franchise ordinance granting to the Easton Transit Co., under the charater of the Phillipsburg Horse Car Railway Co., right-of-way for the construction of five miles of new road to be operated as an extension of the present service in the town. Harrison R. Fehr is Pres., Gen. Mgr. and Pur. Agt., Easton.

YORK, PA.—We are officially informed that DODGE & DAY, Engrs. and Constructors, Nicetown, Philadelphia, Pa., have commenced work on an extension of the York County Traction Co., from York to Hanover. They have a large force of men working and rapid progress is being made.

BROWNSVILLE.—The CROSSAN CONSTRUCTION CO., Land Title Bldg., Philadelphia, has been awarded the contract for building five miles of track for the West Penn Railway Co., from Orient to Brownsville. W. E. Moore is Gen. Mgr., Connellsville, Pa.

PHILADELPHIA, PA.—On June 6 the financial interests involved in the Philadelphia & Western, which was sold under a friendly foreclosure to permit of a reorganization on an enlarged capital basis, met in Philadelphia and organized the new company, which is known as the Philadelphia & Western Railway Co., with the following officers: Pres., George R. Sheldon; Vice-Pres., Thomas Newhall; Secy. and Treas., Davies Murdoch. Directors, George R. Sheldon, Randolph Rodman, James H. Brewster, Jr., Thomas Newhall, William H. Simms, W. Robinson Molinard and Joseph S. Clark. The company will have an issue of $4,000,000 of bonds out of a total authorized issue of $20,000,000, the remaining $16,000,000 being held for extensions, betterments and permanent improvements, and $4,000,000 of stock, $600,000 preferred and $3,400,000 common. While provision was made for the completion of the present line to Parkesburg and other contemplated extensions, it was stated officially that no plans for the immediate construction of these lines were under consideration.

BRISTOL, VA.—The City of Bristol, Va., will offer for sale a street-railway franchise until June 19. W. L. Rice is Mayor and J. H. Gose is City Clerk. The Bristol Belt Line Co. proposes to build the line.

WHEELING, W. VA.—The City Council has passed the Wheeling Traction ordinance granting the company an extension of its franchise to construct and operate lines in the city for a period of 50 years from the expiration of the present franchise in 1912. Geo. O. Nagle is Gen. Mgr.

ELKINS, W. VA.—The Elkins Electric Railway Co., recently organized, has elected the following officers: J. C. McShadden, Rockwood, Pa., Pres.; J. E. Morgan, of Elkins, Vice-Pres. and Genl. Mgr.; W. K. Taylor, of Pittsburg, Secy. and Treas. A line will be built as soon as material is shipped to connect Belington and Elkins. Noted on April 25.

AUGUSTA, GA.—The Augusta & Columbia Railway Co., recently chartered, has completed survey for the proposed extension of the Augusta & Aiken Railway to Columbia, and the North Augusta Electric & Improvement Co. and the Augusta & Aiken Railway Co. will be absorbed by the new corporation. W. T. VanBrunt, of New York, is Pres.; James U. Jackson, Augusta, Vice-Pres. E. P. Wetmore is Gen. Mgr.

CHATTANOOGA, TENN.—The electric railway which is being promoted by S. W. Divine, of Dodge, Ga., will be known as the Tennessee & Georgia Interurban Ry. It will be 9½ miles in length and run from Chattanooga through Rossville Gap to Fort Oglethorpe and Chickamauga Park. Right-of-way is partly obtained. Capital for construction is secured. George H. Cushman, of Chattanooga, made survey and estimate of the line.

MADISON, IND.—M. I. Insull, Genl. Mgr. of the Louisville & Northern Railway & Lighting Co., of New Albany, Ind., and Charles D. Kelso, attorney for same, were in Madison recently consulting with the Madison Commercial Club regarding the construction of an electric line from Charlestown or Scottsburg to Madison.

PARIS, ILL.—Frank L. Kidder, Pres. of the Paris Traction Co., states that steps will be taken at once to extend the lines to Champaign, Ill., and connect with Edgar, Brocton, Chrisman, Hume, Metcalf and Ridge Farm.

BARTLESVILLE, IND. T.—Construction work will begin soon on the Bartlesville Interurban Railway Co.'s line to Dewey. Joseph J. Carl is Pres.; Vice-Pres., George B. Keeler; Treas., W. A. Smith. Directors, William Speck, Frank Phillips and J. Bartles. Surveys will be made at once and right-of-way secured. Material will be ordered.

SEATTLE, WASH.—N. J. Wightman and C. J. Muckler have been granted a franchise for the proposed Shore Line Elec. Ry. To maintain their franchise the two promoters must deposit $10,000 with the city by July 1. The route for which plans have been filed is along Spokane Ave. from the city limits, Fourth Ave. South, Fourth Ave. and Westlake Ave., with a loop at Stewart St., and around the present City Hall. Work must be begun on this route by July 1 or an additional $10,000 deposited to gain an extension of time.

PULLMAN, WASH.—The Pullman, La Crosse & Columbia River R. R. Co. plans to build electric railway from Pullman to the Columbia River. It is being promoted by J. O. Staats, Dr. H. M. Greene and E. S. Knowlton. Twenty-four miles of right-of-way have been secured and surveyors will be put in the field at once to establish the permanent line. Arrangements are practically made for funds with which to build the line. Work of construction may begin by October 1.

SAN FRANCISCO, CAL.—The San Francisco Railway & Power Co. has recently been incorporated. The company is formed to do a general railway business in the city of San Francisco, and is incorporated for 50 years. The capital stock is placed at $1,000,000, with $10,000 subscribed. The incorporators are: B. F. Clarke, 3321 Sacramento St.; F. C. Boekmann, 966 Haight St.; George K. Ford, 212 Seventh Ave.; George E. Bennett, 625 Ashbury St.; and J. R. Sloan, all of San Francisco.

FRESNO, CAL.—Officials of the San Joaquin Light & Power Co. state that the surveys from Pollasky to Wawona for the electric railway to the Yosemite Valley from Fresno have been completed. A. G. Wishon is Gen. Mgr., at Fresno.

LIGHT AND POWER PLANTS.

(denotes that this work is advertised in Engineering News.)*

*ELLIS ISLAND (New York post-office), N. Y.—Bids are asked until 2.30 p. m., June 18, by the Commissioner of Immigration, for heating work in Measles Ward, A, B and C, at Ellis Island Immigration Station. Robert Watchorn is Comr.

NEW YORK, N. Y.—Bids are asked until 2 p. m., June 15, by William S. Patten, A. Q. M. G., 39 Whitehall St., New York, for 75,000 incandescent electric lamps for the Quartermaster's Department, also alternate bids for 270,000 same lamps to be delivered at the Library of Congress, etc.

NEW YORK, N. Y.—The following bids were received June 10, by C. B. J. Snyder, Supt. School Bldgs., for installing heating and ventilating apparatus for additions to public school No. 23, on corner of Whitestone and State Sts., Flushing, Boro. of Queens: Blake & Williams, 211 West 20th St., $16,531; E. Rutzler & Co., 127 White St., $15,944; Frank Dobson, 319 East 53d St., $16,746; I. Merritt, New York, $18,700.

NEW YORK, N. Y.—Bids are asked until 2 p. m., June 21, by the Armory Board, Hall of Records, for furnishing and installing electric lighting fixtures, etc., in the Twelfth Regiment armory, Boro of Manhattan.

NEW YORK, N. Y.—Bids were received on June 10, at the office of the Chief Clerk of the Treasury, Washington, for furnishing the light-fixtures for the U. S. custom-house at New York.

Sterling Bronze Co., 107 West 25th St., New York, $49,700; Lloyd-Garrett Co., Philadelphia, $36,827; Mitchell Vance & Co., 503 West 24th St., New York, $29,923.

NEW YORK, N. Y.—Bids are asked until 3 p. m., June 27, by Moses Herrman, Pres. Park Board, for installation of electric equipment, elevators, lifts, book conveyors and pneumatic tubes, in the New York Public Library, Astor, Lenox and Tilden Foundations, Fifth Ave., Fortieth and Forty-second Sts.

NEW YORK, N. Y.—Bids are asked until 11 a. m., June 24, by C. B. J. Snyder, Supt. School Bldgs., for installing electric equipment in new Public School No. 88, on Elm Ave., Fresh Pond Road and Halsey St., Fresh Pond, Boro. of Queens.

NEW YORK, N. Y.—Heating apparatus. See under Buildings.

JERSEY CITY, N. J.—Bids are asked until 8.30 p. m., by the Board of Trustees of the City Hospital, at the City Hall, for erecting a power-house, etc., on Baldwin Ave., near Montgomery St., Jersey City. Dr. G. W. Shera is Pres.; Adolph A. Langer is Secy.

HITES, PA.—VOLKOMMER & CO., engineers and contractors, Empire Bldg., Pittsburg, have secured contract for a 72 x 54-ft. steel and brick extension to be made to the power plant of the Allegheny Plate Glass Co. at Hites.

WASHINGTON, D. C.—The CITY PLUMBING, HEATING AND ELECTRIC CO. OF Terre Haute, Ind., has been awarded a contract to install heating apparatus in the public building in Washington at $4,850.

WASHINGTON, D. C.—The following are the bids opened at the Department of Agriculture for furnishing lighting fixtures for two laboratory buildings: Loyd-Garret Co., Philadelphia, Pa., $24,328 or $14,680; Mitchell-Vance Co., 503 West 24th St., New York, $1,484; Horn & Brannon Mfg. Co., 427 North Broad St., Philadelphia, Pa., $11,950 and 10,650; E. H. Catlin Co., 309 13th St., N. W., Washington, D. C., $13,398 and $10,000; Cassidy & Son Mfg. Co., 133 West 23d St., New York, $9,262; C. A. Muddiman & Co., 1204 G St., Washington, D. C., $12,894, $11,886, or $9,994.

Arrangements are being made by the Capital Traction Co. to improve its power plant on Grace St., which will involve an expenditure of about $25,000. D. S. Carel, Washington, is Supt.

ROWLESBURG, W. VA.—Bids are asked until June 20 for constructing a complete electric light plant for 50 arc and 2,000 incandescent lamps. We are officially advised that the plant will be operated by steam. W. W. Smith and C. E. Emerson are in charge; H. R. Hollis is Recdr.

FORT McPHERSON, GA.—We are officially advised that the lowest bid received June 1 by the Constructing Quartermaster for installing hot water heating in twelve sets officers' quarters, and replacing six boilers in six officers quarters' at this post, was submitted by the Farrell Heating & Plumbing Co., 8 North Forsyth St., Atlanta, Ga., at $10,590. There were seven other bidders. William A. Hansell, Jr., is C. E. and Supt. of Construction, Fort McPherson.

BIRMINGHAM, ALA.—The BEN F. BARBOUR PLUMBING & ELECTRIC CO., Birmingham, has been awarded contract for the electric and heating apparatus for the new terminal station in Birmingham at $65,000.

*DORA, ALA.—Bids are asked by the Committee on Electric Lighting, until noon, June 18, for complete installation and erection, of material and machinery only, for a municipal electric lighting plant. Owing to irregularities in bids for the lighting plant, received June 6, all were rejected. Thornton Co., 203 Chalifoux Bldg., Birmingham, Ala., is Engr.

FRANKLIN, LA.—We are officially advised that MURALT & CO., 114 Liberty St., New York, have secured contract, at $28,000, to construct an electric light plant at Franklin. There will be installed Heine boilers, Harrisburg engines and Fort Wayne generators. The system will be operated by steam. Warren B. Reed, Hibernia Bank Bldg., New Orleans, La., is Engr.

BOWLING GREEN, KY.—The Green River Hydraulic Electric Co. has awarded contracts for all work except the electric machinery for their plant, which is to be erected at Glenmore Locks, on Green River. The concrete work will be done by TROSLITE & CO.; the steel work by GRAINGER & CO., and water turbine wheel will be installed by TRUNK TURBINE CO., all of Louisville.

COLUMBUS, OHIO.—Bids are asked until June 21 by the Board of County Commissioners for furnishing material and doing the following work at the Franklin County Court House: Electrical wiring and fixtures for court house; furnishing electricity for light and power purposes, and electric lamps for the fixtures and maintaining the same. Lighting companies will be required to bring in from the source of supply underground service wires from the lot line to basement. Contracts for light and power are to run for a period of five years. John Scott is Clerk.

ARLINGTON, OHIO.—The Town Council has accepted plans for construction of a municipal electric lighting plant. George Champe, Toledo, will supervise construction.

*PAW PAW, MICH.—Bids are asked until 1 p. m., June 25, by the Village Trustees, for constructing a hydro-electric power plant and dam on the Paw Paw River, and for certain water works improvements. William H. Mason is Village Clerk.

KAUKAUNA, WIS.—The Green Bay & Mississippi Canal Co. is reported to have awarded contract for construction of its power plant at Kaukauna to O'KEEFE & ORBISON, of Appleton, the plant to cost completed $60,000. The proposed new power-house will be located on the site of the old Badger paper mill, and will have a capacity of from 2,000 to 2,200 HP.

COLERAINE, MINN. — FAIRBANKS, MORSE & CO., 234 East Third St., St. Paul, have secured the contract for installing the electric lighting plant in the John C. Greenway School.

FERGUS FALLS, MINN.—Bids are asked until June 14, by the City Council, for constructing a cement concrete dam and brick power-house at Fergus Falls. G. H. Gard is City Clerk. This is a postponement from May 28, when bids were advertised in Engineering News to be received.

WICHITA, KAN.—The Wichita Gas, Electric Light & Power Co. will construct its plant at a cost of about $100,000. J. Walsh is Supt.

OMAHA, NEB.—The contract for the new substation of the Omaha Electric Light & Power Co., at 27th and Lake Sts., has been let to the CAPITOL CITY HEATING & PIPE CO. The building will cost $6,[illegible]. The cost of the station equipped will be $11,000. Thomas R. Kimball is Arch.

FRIEND, NEB.—The NORTHWESTERN ELECTRIC EQUIPMENT CO., East Fifth St., St. Paul, Minn., has secured the contract for furnishing all the electric equipment, installing all poles and arms on the electric lighting system in this city for $6,629.

ST. LOUIS, MO.—Bids are asked until June 14 by the Board of Public Improvements for lighting the public buildings until 1910. James Y. Player is Comptroller.

INDEX, WASH.—The Nonpareil Copper & Development Co. has awarded the contract for the equipment and machinery for a new lighting and power plant to the IDEAL ELECTRIC & MFG. CO., of Mansfield, Ohio.

SAN FRANCISCO, CAL.—The Sierra Power Co. has filed an application with the Board of Supervisors for a franchise to construct and maintain an electric power station for the purpose of supplying electricity for lighting and power in San Francisco.

MONCTON, N. B.—Bids are asked until 4 p. m., June 14, by L. K. Jones, Secy. Dept. Railways and Canals, Ottawa, for erection of a power-house, with the accessory gas producer house, transformer shelter and a lumber dry kiln, in the new yard of the Intercolonial Ry. at Moncton.

BEAUHARNOIS, QUE.—The Canadian Heat & Power Co. will commence the construction of its power-house on the Beauharnois Canal at once.

SASKATOON, SASK.—C. H. Mitchell is preparing plans and estimates for development of electrical power in the river at this town. He states that with a head of 15 ft. 4,000 HP. can be developed.

RAYMOND, ALTA.—During the summer the town will install an electric lighting system and improve its water system.

EDMONTON, ALTA.—Contracts for the Edmonton Electric Ry. have been let as follows: For gas engines, ALLIS-CHALMERS CO., Milwaukee; producers, POWER & MINING CO., Milwaukee. Contracts for overhead work and rolling stock will not be let until later in the season. Track and power-house will be built by the city. The line will run on Jasper Ave., First and Strathcona Sts., seven miles. Surveys are made and right-of-way is ready. R. R. Keely is City Engr.

*WINNIPEG, MAN.—Bids are asked by the Chairman of the Board of Control, until noon, Sept. 3, for supplying and erecting various portions of equipment for the hydro-electric works and station to be established at Point du Bois, a transmission line between Point du Bois and Winnipeg and a receiving transformer station in Winnipeg. M. Peterson is Secy.

BRIDGES.

(denotes that this work is advertised in Engineering News.)*

BUFFALO, N. Y.—Bids are asked by the Department of Public Works, Francis G. Ward, Comr., until 11 a. m., June 20, for repairing timber and planking of roadways, walks and approaches of all bridges and viaducts maintained by the city, from date of contract to June 30, 1908. Charles M. Morse is Deputy Engr. Comr.

*HARRISBURG, PA.—Bids are asked by the Board of Public Works, D. E. Tracy, Secy., until 2.30 p. m., July 5, for reconstructing Mulberry St. bridge. M. B. Cowden is City Engr.

BRUNSWICK, MD.—Bids are asked until June 18 by the Special Road and Bridge Comrs., L. H. Herring, Chn., Keytesville, for furnishing material and constructing steel bridge, 100 ft. long over Grand River at Brunswick. O. G. Dameron is County Surv., Keytesville.

POINT PLEASANT, W. VA.—The Kanawha & Michigan Ry. Co. has awarded contract to the MT. VERNON BRIDGE CO., of Columbus, Ohio, at $95,000, for constructing 400-ft. channel span across Ohio River at Point Pleasant. P. Eberst is Foreman Bridges and Bldgs.

*NEW ORLEANS, LA.—Bids are asked by Charles R. Kennedy, City Compt., until 1 p. m., July 15, for erecting bridge across Bayou St. John at the extension of Esplanade Ave. The bridge to be either bascule or lift type. W. J. Hardee is City Engr.

ALEXANDRIA, LA.—We are officially advised that A. J. Muller, Chn. Bridge Com., at Opelousas, La., June 3, awarded contract for constructing highway drawbridge over Bayou Courtableau, at Port Barre, to the MISSOURI VALLEY BRIDGE & IRON WORKS, of Leavenworth, Kan., for $8,406. Ira W. Sylvester, at Alexandria, is Consult. Engr.

TOLEDO, OHIO.—Bids are asked by the Board of Public Service, Oscar Sahin, Pres., until noon, July 10, for constructing bridge at Cherry St. Frank I. Consaul is Ch. Engr. Bd. Pub. Service.

STEUBENVILLE, OHIO.—Bids were received June 1 by the County Commissioners for constructing concrete arch bridges Nos. 17 and 18, in Wells Township, from A. E. Stringer, Carnes & Frowine and Wm. Garrettson.

ENTERPRISE, OHIO.—Bids are asked by the County Commissioners, at Logan, Ohio, until 1 p. m., July 6, for constructing steel superstructure over Hocking River at the Logan and Lancaster Road in Falls Township.

*TOLEDO, OHIO.—Bids are asked by the Board of Public Service, Reynold Volt, Secy., until noon, July 10, for constructing reinforced concrete arch bridge over Maumee River from Cherry St. to Main St. The bridge will be 1,184 ft. long between abutments and 70 ft. wide. The Osborn Engineering Co., Osborn Bldg., Cleveland, Ohio, and 45 Broadway, New York, are Engrs.

ELWOOD, IND.—The County Commissioners have let contract for constructing reinforced concrete arch across Duck Creek, at South B St., to HILLIS F. HACKEDORN & CO., of Indianapolis, Ind.

LACON, ILL.—The City Council has awarded contract to D. M. DEAN for completing pontoon bridge.

LA CROSSE, WIS.—Bids were recently received by the Board of Public Works for constructing reinforced concrete bridge across lagoon in Pettibone Park. The lowest bid was submitted by Woolley & Hanson, at $7,300. W. S. Woods, City Engr., estimated the cost at $4,100. The bids have been referred to the Common Council.

BELOIT, WIS.—The LAFAYETTE BRIDGE CO. has secured contract for constructing Wheeler Ave. bridge, for about $5,000.

CLINTON, IOWA.—The Chicago & Northwestern Ry. Co. has let contract to the FOUNDATION CO., of New York and Kansas City, Mo., for constructing substructure of bridge across Mississippi River at Clinton. The WISCONSIN BRIDGE & IRON CO., of Milwaukee, Wis., has secured contract for constructing the superstructure. I. F. Stern, at Chicago, Ill., is Bridge Engr.

*FT. SNELLING, MINN.—Bids are asked by James B. Quinn, Col., Engrs., P. O. Box 654, St. Paul, Minn., until 11 a. m., July 19, for constructing bridge across Mississippi River at Ft. Snelling.

WICHITA, KAN.—Plans are asked until June 17 by the Board of County Commissioners, E. P. Martin, Chn., for bridge to be constructed across Arkansas River on Douglas Ave. of reinforced concrete, 500 ft. long, 30 to 40-ft. roadway, with 8-ft. walk on each side. Provisions to be made for lighting, either by gas or electricity. C. N. Cartwright is Clk.

RENO, NEV.—Bids are asked by the Board of County Commissioners, W. A. Fogg, Clk., until noon, June 24, for constructing two steel bridges across Truckee River.

BENTONVILLE, ARK.—A steel bridge will probably be constructed across War Eagle Creek in Benton County. Estimated cost, $4,790.

SANDPOINT, IDAHO.—Bids are asked by the Board of County Commissioners, Ignatz Weil, Clk., until July 8, for erecting bridge across Moore Creek.

SURRETTE ISLAND, N. S.—Application has been made by the Provincial Government to the Minister of Public Works, at Ottawa, for permission to construct bridge across the navigable channel of Indian Sluice between Surrette Island and Indian Point, on the mainland.

BUCKHORN, ONT.—D. CONROY has been awarded contract for erection of bridge and dam at this place, for $56,000.

TORONTO, ONT.—Bids are asked by the Board of Control, until July 16, for supplying and erecting steel railway bridges and handrailing required for the Lansdowne Ave. subway. C. H. Rust is City Engr.

BUILDINGS.

(denotes that this work is advertised in Engineering News.)*

NEW YORK, N. Y.—Bids are asked by the Armory Board until 2 p. m., June 21, for finishing rooms at the 23d Regiment Armory, Brooklyn; for altering and improving the Ninth Regiment Armory, Manhattan; for installing mains, sub-mains, etc., in 13th Regiment Armory, Brooklyn; for alterations, etc. at Squadron C Armory, Brooklyn.

Bids are asked by the Park Board until 3 p. m., June 20, for painting and decorating in the east wing of the Museum of the Brooklyn Institute of Arts and Sciences, situated on Eastern Parkway, Boro. of Brooklyn. Moses Herrman is Pres.

Plans have been filed for a 6-sty apartment house to be erected for the Hensle Construction Co., at the corner of Riverside Drive and 135th St. It will be 74.4 ft. front and 94 ft. deep. It will have accommodations for 54 families, and will cost $200,000. Mitchell & Michael Bernstein, 24 East 23d St., are Archs.

BUFFALO, N. Y.—The Lehigh Valley R. R. Co. will build additional freight warehouses at its Tifft Farm terminals, at an estimated cost of $250,000. Walter G. Berg is Ch. Engr., Lehigh Valley R. R., New York.

The Sisters of Charity at the Providence Retreat, on Main St., near Kensington Ave., have let contract to MOSIER & SUMMERS, 1260 Seneca St., for an addition to their building. It will be a 4-story brick and terra cotta, fireproof structure, 175 x 50 ft., and will cost $155,000. Esenwein & Johnson, Ellicott Sq., are Archs.

ALBANY, N. Y.—Bids are asked by the Board of Contract and Supply, Albany, until 3 p. m., June 17, for making alterations, repairs and improvements on Schools Nos. 1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 15, 17, 24 and 25. Isidore Wachsman is Clerk of the Board.

NEW YORK, N. Y.—Contract for erection and completion, excepting plumbing and gas fitting, of a public bath building at 342, 346 and 348 East 54th st., Boro. of Manhattan, has been awarded to LUKE A. BURKE & SONS CO., 25 West 42d St., by John F. Ahearn, Pres. Boro. of Manhattan. Contract price, item (I.) $210,000, item (II.) $2, item (III.) $4,900.

Bids are asked until 11 a. m., June 24, by C. B. J. Snyder, Supt. School Bldgs., for repairs to heating and ventilating apparatus of Public Schools Nos. 1, 2, 7, 9, 34, 41, 48, 58, 62, 76, 77, 87, 93, 94, 96, 137, 147, 157, 165, 166, 179, 190, and High School of Commerce, Boro. of Manhattan; for installing heating and ventilating apparatus for new Public School No. 152, on south side of Ave. G, between East 23d and East 24th Sts., Boro. of Brooklyn; for additions to and alterations in Public School No. 23, on the corner of Whitestone Ave. and State St., Flushing, Boro. of Queens; for addition to and alterations in Public School No. 39, on the corner of State St. and Roanoke Ave., Far Rockaway, Boro. of Queens.

NEWARK, N. J.—JOSEPH F. PELLETIER, 707 McGraw Ave., has secured contract to construct a 2-story storehouse and wagon shed on Franklin St., for the city, at $112,000. The building will be constructed of red brick and limestone trimmings. On the ground floor there will be a concrete-floored wagon-shed enclosed with doors. The second floor will be divided into strong rooms, and will be apportioned among the Board of Works, the fire department and the building department. The structure will be completed, it is expected, within six months.

*Bids asked until July 16, by the Committee on School Houses of the Board of Education, for erecting proposed Commercial and Manual Training High School at High, New and Summit Sts., Newark. Nathan Myers, Metropolitan Bldg., Newark, is Arch; Runyon & Carey, 122 Market St., Newark, are Engrs.

YORK, PA.—Contract has been let to S. E. GLADFELTER for erecting the Colonial Annex, at about $150,000. J. A. Dempwolf, Center Sq., is Arch.

PHILADELPHIA, PA.—A site has been selected at the corner of Seventh and Lombard Sts., near Starr Garden Park, for the proposed tuberculosis hospital of the Henry Phipps Institute, 238 Pine St. The hospital will cost about $300,000. Dr. Lawrence F. Flick is in charge of the institute.

PHILADELPHIA, PA.—The Board of Education has let contracts to CHARLES McCAUL & CO. for the erection of a fireproof building at Twelfth and Fitzwater Sts. for $198,700, to replace the Fagan School, which was burned down, and a similar structure at Emerald and Orleans Sts., to cost $199,800.

*BALTIMORE, MD.—Bids are asked until 3 p. m., July 3, by James Knox Taylor, Superv. Arch., Washington, D. C., for new plumbing system, etc., in the U. S. courthouse and post-office building at Baltimore.

WASHINGTON, D. C.—James Knox Taylor, Superv. Arch. of the Treasury, Washington, D. C., has rejected, as in excess of the appropriations available, all bids on the construction of the extensions to the U. S. public buildings at Denver, Colo.; Petersburg, Va., and Trenton, N. J.

MONTGOMERY, ALA.—Carpenter, Blair & Gould, 571 Fifth Ave., New York, have let general contract to the SELDEN BRECK CONSTRUCTION CO., Fullerton Bldg., St. Louis, Mo., for constructing a 10-story brick and stone hotel, 107 x 79 ft., for Gay Teague Hotel, Montgomery. Cost, $200,000.

KNOXVILLE, TENN.—Bids are asked until 3 p. m., July 10, by James Knox Taylor, Superv. Arch., Washington, D. C., for construction of an extension, remodeling, etc., including plumbing, gas piping, heating apparatus, electric conduits and wiring and lift, to the U. S. post-office and court-house, Knoxville.

*CHATTANOOGA, TENN.—Bids are asked by James Knox Taylor, Superv. Arch., Washington, until 3 p. m., July 18, for construction, complete, of the extension to the U. S. post-office and court-house at Chattanooga.

MORGANFIELD, KY.—The Knights of Columbus are having plans prepared for a hospital to be built at Morganfield, and to cost about $150,000.

FAIRPORT HARBOR, OHIO.—George S. King, Central Trust Bldg., Cleveland, is preparing preliminary plans for a hotel and summer resort building, at Fairport, for the Fairport Resort Co., which will cost $150,000.

*CINCINNATI, OHIO.—Bids are asked until noon, July 8, by the Board of Education for constructing a high school building. Estimated cost, $500,000. Dr. J. M. Withrow is Chn. Bldg. Com.

Bids are asked by J. W. Stevens, New York Life Bldg, St Paul, Minn, until July 10, for the erection of the Hughes High School here, on Clinton and Gay Sts. It will be 272 x 112 ft., seven stories high and of reinforced concrete fireproof construction. Cost, $600,000.

EVANSVILLE, IND.—D. H. Burnham & Co., 15 Jackson Blvd., Chicago, Ill., have let the general contract for a railroad station, to be erected at Evansville, Ind., for the Evansville & Terre Haute R. R. Co., Evansville, Ind., to AUGUST OHM, Terre Haute, Ind. It is to be three stories, 50 x 150 ft., built of brick and stone, and will cost $150,000.

CADILLAC, MICH.—Contract has been awarded to GEORGE LATHER, Traverse City, Mich., for building a 3-story brick building for the Home Realty Co., at South Mitchell and Chapin Sts.

CHICAGO, ILL.—W. C. Zimmerman, Arch., 17 Van Buren St., has let the general contract for Field House No. 3, to be erected at 20th and Fisk Sts., Union Park, for the West Park Board, to WARREN CONSTRUCTION CO., 100 Jackson Boulevard. Building will be two stories high, 83 x 168 ft., built of stone and brick, and will cost $125,000.

CHICAGO, ILL.—Edward S. Hunter will construct a 10-story fireproof building at the corner of Madison and Market Sts., to cost $250,000. Plans for the building are being prepared by C. A. Eckstorm, Arch., Tacoma Bldg. The building will front 62 ft. on Madison St. and 100 ft. on Market St. It will be constructed of pressed brick, the interior being of steel construction, and will be heated with steam.

Huehl & Schmid, Archs., 163 Randolph St., have prepared plans for a building for storage of pork and lard, to be built at the corner of Iron St. and the south branch of the river, for the Hately Cold Storage Co., Board of Trade Bldg. It will be two stories high, 112 x 284 ft., of reinforced concrete construction, with brick exterior, and composition roof. There will be also a 1-story powerhouse, 40 x 50 ft., of similar materials as the main building, and a concrete chimney, 125 ft. high. The improvements will cost $155,000. JACOB RODATZ, Rookery Bldg., has the contract. It is expected to have it completed by Oct. 1. The P. NACEY CO., 315 Wabash Ave., has the plumbing contract.

The H. M. Hooker Co., 59 West Rand St., Chicago, will construct a warehouse at 118 to 128 West Washington St. It will front 150 ft., with a depth of 184 ft. It will be constructed of pressed brick and stone, and will cost $200,000.

SPRINGFIELD, ILL.—The following contracts have been awarded for constructing the Supreme Court Chambers: Interior finish, VALENTINE JOBST SONS, Peoria, Ill., $124,339; heating, ILLINOIS PLUMBING & HEATING CO., Springfield, $16,428.

ST. PAUL, MINN.—St. Adelbert's Congregation, A. D. Mayer, Pastor, contemplates erection of a cut stone church on Charles St., St. Paul. Cost, $125,000.

PIERRE, S. DAK.—The contract for construction of the new capitol has been let to O. H. OLSON, of Stillwater, Minn., who presented the lowest bid, $528,552. The building is to be constructed of granite boulders for the foundation walls. The basement story to the water table is to be constructed of Sioux Falls granite, and the steps lintels, and polished pillars are to be of Ortonville granite. Other bidders were the General Construction Co., of Chicago, Ill., $631,824; J. H. Nichol, of St. Paul, Minn., $607,482; George Richardson, Milwaukee, $598,504; J. D. Hilger & Co., of Pierre, $573,858; E. P. Strandberg, of Chicago, $579,712. The lowest bid on straight Sioux Falls stone for the whole building was $700,000. The lowest bid on Black Hills sandstone was $631,824.

ST. LOUIS, MO.—Bids will be received soon for constructing an 8-story business building at Washington Ave. and Robbins Lane for the Dulany Realty Co., Fourth and Line Sts. It will be of brick, stone and terra-cotta construction and will cost about $150,000.

Plans for the proposed Coliseum building have been prepared by F. C. Bonsack, Columbia Bldg., which call for a building 320 ft. on Washington Ave., 292 ft. on Jefferson Ave. and 280 ft. on Locust St. The Coliseum proper will be of oval shape, occupying a rectangle 284 x 192 ft. The arena will be about the size of the old Coliseum, 112 x 200 ft. The steel framework for the new arena will be taken from the old site. It is planned to provide space for 25,000 people. The Jefferson Ave. side of the building will be taken up with a hotel, a theater, stores and offices. The theater is planned to seat 2,000 people and the hotel will have 150 rooms. The general style of the structure will follow that of the Renaissance period. According to the plans the whole building will be five stories in height, and will cost about $600,000.

KANSAS CITY, MO.—Wilder & Wight, Archs., First National Bank Bldg., have let general contract to GEORGE L. BROWN & SON, American Bank Bldg., for constructing a 2-story stone and marble bank building, 80 x 90 ft., at Tenth St. and Baltimore Ave. for the New England Bank, J. F. Downing, Pres. Cost, $250,000.

Charles A. Smith, Dwight Bldg., has plans ready for bids for a 6-story building, 96 x 132 ft., at Tenth and Oak Sts., for the Y. M. C. A. Brick, Carthage and Bedford stone, steel, will be used in construction. C. S. Bishop, 810 Wyandotte St., is Secy. Estimated cost, $225,000.

SPRINGFIELD, MO.—The Board of Regents of the Fourth District, State Normal School, has awarded the contract for the erection of the academic building of the new state institution to CALDWELL & DRAKE, of Columbus, Ind., at $158,000. There were eight bidders.

KANSAS CITY, MO.—Howe, Holt & Cutler, Archs., 313 East Tenth St., has let general contract to LEO N. LESLIE for constructing a 4-story office building for the United States & Mexican Trust Co., at $150,000.

OAKLAND, CAL.—Three sets of plans for a new city hall are being prepared. The Board of Public Works and the City Council will examine the drawings as soon as they are completed. The general project is for two structures, a hall of justice, where the police departments, courts and adjuncts would be accommodated, and a municipal building for the city's general business. The cost of the improvements has not been estimated as yet, although the figures have been placed, in an offhand way, at $750,000 or $1,000,000.

SAN FRANCISCO, CAL.—Plans are being prepared for a hotel building to be built at Powell and Bush Sts., by C. A. Meudorfer, 2242 California St. Cost, $175,000.

Harry Holbrook has applied to the Board of Public Works for a permit to erect a 4-story Class C building on Mission St., between First and Second Sts. Estimated cost, $115,000.

KENORA, ONT.—CARTER, HALLS, ADLINGER & CO., of Winnipeg, have secured contract for the erection of a hotel here for C. F. Bunnell, Clarendon Hotel, Winnipeg, at $225,000.

VANCOUVER, B. C.—J A. Weart will replace the old Arcade building on the corner of Hastings and Cambie Sts. with a 14-story building to cost $450,000.

WATER SUPPLY—IRRIGATION.

(denotes that this work is advertised in Engineering News.)*

SWANTON, VT.—The Village Trustees, C. E. Allen, Pres., June 3, let contract for furnishing 51,500 ft. 10 and 12-in. wooden stave water pipe, gates, valves, etc., to the WYCOFF SUPPLY CO., of Elmira, N. Y., at $42,649. W. S. AMES, of Saranac Lake, N. Y., secured contract for hauling, trucking and laying pipe, etc., for $30,249. John L. Collins, 444 Broadway, Albany, N. Y., is Engr.

BUFFALO, N. Y.—Bids are asked by the Department of Public Works, Francis G. Ward, Comr., until 11 a. m., June 14, for supplying c.-i. water pipes and special castings, hydrants, brass corporation cocks and plugs, valves and oil.

Bids are asked by the Department of Public Works, Francis G. Ward, Comr., until 11 a. m., June 20, for furnishing automatic weighing and recording machine for the water works pumping station.

*OLEAN, N. Y.—Bids are asked by the Board of Water Commissioners until noon, July 1, for constructing concrete lining for distributing reservoir on Cook's Hill, South Olean. E. A. Fisher and John F. Skinner, of Olean, are Consult. Engrs.

*CARTHAGE, N. Y.—Bids are asked by the Board of Water Commissioners, P. R. Wrape, Pres., until noon, June 24, for constructing 14⅔ miles of 12-in. conduit line, intake reservoir, dam and gatehouse. Eaton & Brownell, Carthage, are Engrs.

HOBOKEN, N. J.—Bids will soon be asked by the Board of Water Commissioners for constructing 30-in. water main.

PHILADELPHIA, PA.—We are officially advised that the Department of Public Works has let contract to NORCROSS & EDMUNDS, Penn Sq. Bldg., Philadelphia, for furnishing and placing filtering materials and underdrains for the Torresdale Filters, at $210,112. Harmer & Quinn bid $255,638. Itemized bids are given this week under Contract Prices. Fred. C. Dunlap is Ch. Engr.

WASHINGTON, D. C.—Bids were received as follows June 8, by the District Commissioners for suppying 5,000 water meter covers: Buffalo Meter Co., Buffalo, N. Y., $9, $8; Thompson Meter Co., of New Jersey, $8.35; Hersey Mfg. Co., East Boston, Mass., $9; Henry R. Worthington, 114 Liberty St., New York, $7.50; Standard Water Meter Co., Brooklyn, N. Y., $9; National Meter Co., New York, $11; Neptune Meter Co., New York, $9; Pittsburg Meter Co., Pittsburg, $9.

WITMER, W. VA.—The contract for installing water-works system has been awarded to J. W. MILLER.

PAVO, GA.—A water-works system may soon be installed.

GREENFIELD, IND.—Bids are asked by Oliver H. Monger, Drainage Comr., until 1 p. m., June 25, for constructing (A), 16,000 lin. ft. of tile and 5,865 lin. ft. of open ditch, known as the Hack ditch; (B), 5,500 lin. ft. of tile ditch, 2,273 cu. yds. filling, two catch basins and one retaining wall, known as the Osterman ditch and (C), 3,329 lin. ft. of open ditch, known as the Leary ditch.

FLINT, MICH.—D. T. UTLEY, of Imlay City, has been awarded contract for constructing Haslet inlet, Atlas Township, for $6,350.

*OWOSSO, MICH.—Bids are asked by the Board of Public Works until 10 a. m., July 5, for sinking well, furnishing pipes, machinery, etc., to deliver into reservoir 1,500,000 gallons of water per 24 hrs.

EAST TROY, WIS.—Bids are asked until 7:30 p. m., June 21, for constructing waterworks plant. W. G. Kirchoffer, at Madison, Wis., is Engr.

WEST BEND, WIS.—Bids are asked until 2 p. m., June 24, for furnishing c.-i. pipe, valves, hydrants, triplex pump, steel tower, gas engine and suction gas producer. W. G. Kirchoffer, at Madison, Wis., is Engr.

ALBERT LEA, MINN.—Bids are asked by the City Council until 7:30 p. m., June 24, for constructing water main. The work consists of 2,786 lin. ft. 6-in. pipe; 50 lin. ft. 4-in. pipe; four fire hydrants and eleven gate valves and boxes. C. J. Dudley is City Clk. Wm. Barneck is City Engr.

ALEXANDRIA, MINN.—Bids are asked by the Auditor of Douglas and Pope Counties until 10 a. m., July 1, for constructing main ditch, branches and forks of Judical Ditch No. 4, in Douglas and Pope Counties. E. P. Wright is Audr. of Douglas County. Ole Irgens is Audr. of Pope County. Arthur E. Morgan, at St. Cloud, Minn., is Engr.

HENDERSON, MINN.—Bids are asked until 8 p. m., June 14, for constructing waterworks system, consisting of pipe line, concrete reservoir and pump. O. Claussen, St. Paul, Minn., is Consult. Engr.

MITCHELL, NEB.—The Secretary of the Interior has awarded contract to the MINNEAPOLIS STEEL & MACHINERY CO., Minneapolis, Minn., for furnishing about 140,483 lbs. of structural and reinforcing steel for the North Platte Irrigation Project, Neb.-Wyo., at $4,880.

MITCHELL, NEB.—The following awards have been made by the Secretary of the Interior on contracts for earthwork under distribution system of the North Platte Irrigation Project, Neb.-Wyo.: Schedule No. 1, Burke Construction Co., of St. Louis, Mo., involving excavation of about 138,000 cu. yds. of material, $30,159. Schedule No. 2, Detrick, Hath & Rush, Bayard, Neb., for excavating about 100,000 cu. yds. of material or 19 miles of laterals, $16,793. Schedule No. 3, James O'Connor, Mitchell, Neb., for excavating 225,000 cu. yds. of material, or 40 miles of laterals, $37,309. Schedules 4 and 5, Marcus K. Getter, Mitchell, Neb., for excavating 630,000 cu. yds. of material, or 40 miles of laterals, $37,626.

BILLINGS, MONT.—The Secretary of the Interior has awarded the following contracts in connection with the Fort Shaw Unit of the Sun River Irrigation Project, Mont.: W. D. LOVELL, Minneapolis, Minn., Division 1, Schedule A, consisting of construction of six miles of canal, involving excavation of 143,500 cu. yds. of material and 20,000 cu. yds. of overhaul, at $48,470. J. C. FURMAN, Augusta, Mont., Division 2, Schedule A, consisting of six miles of canal and involving 77,200 cu. yds. of excavation and 5,000 cu. yds. of overhaul, at $24,700.

BELLEVILLE, MO.—The Board of Aldermen June 3 granted a franchise to the Belleville Deep Water Co. to construct an additional water-works system. The system will consist of pumping station, wells and reservoir.

MARKED TREE, ARK.—The County Court has let contract to the CANAL CONSTRUCTION CO., Chicago, Ill., for constructing canal 15 miles long, from Marked Tree to St. Francis River, for $40,000.

TACOMA, WASH.—The bid of A. P. Stoll, $13,340, for laying water mains in District No. 519, which includes the Commonwealth, Ferry and Smith and Fife additions, was the lowest received and will probably be accepted.

FLORENCE, COLO.—The Beaver Land & Water Co., composed of Florence, Colorado Springs and New York capitalists, has been incorporated at $1,000,000. The company will irrigate a large tract of semi-arid land in the Brush Hollow country, about five miles southeast of Florence. Clarence C. Hamlin, of Colorado Springs, is Pres. J. Q. MacDonald, of Florence, is Vice-Pres.

DENVER, COLO.—We are officially advised that the Denver Reservoir Irrigation Co., lately organized, will construct an earthen dam at Standley Lake, nine miles northwest of this city. The dam will be 1¼ miles long, 150 ft. high, between 700 and 800 ft. wide at the base, and will form a reservoir 2,000 acres in area. The dam will be constructed by the hydraulic-fill method, the waters of Farmers High Line Ditch being used for that purpose. About 800,000 cu. yds. of material will be used in construction. Work will be commenced during the summer, and it is estimated that it will be finished in three years, at a total cost of from $2,000,000 to $3,000,000. J. G. WHITE & CO., 43 Exchange Pl., New York, N. Y., have general contract for construction. W. E. Goldsborough, of J. G. White & Co., is Gen. Mgr.; A. S. Crane is Superv. Engr.

BOISE, IDAHO.—Bids are asked by Capt. John S. Winn, Quartermaster, until 11 a. m., July 1, for constructing water distributing system at Boise Barracks.

SALT LAKE CITY, UTAH.—Bids are asked by the State Board of Land Commissioners until 2 p. m., July 2, for constructing reservoir for irrigation purposes on Sevier River, near Hatchtown. The reservoir, when completed, will store enough water to irrigate 5,000 acres of land.

SEWERAGE.

(* *denotes that this work is advertised in Engineering News.*)

BIDDEFORD, ME.—LEVI B. HOWE & CO. have been awarded contract for completing the Mile Brook sewer.

GARDINER, ME.—The Committee on Sewers has let contract for constructing about 3,000 lin. ft. of sewer to HICKEY BROS.

FOXCROFT, ME.—The contract for constructing about 1,500 lin. ft. of pipe sewers has been let to HARTWELL & LANCASTER, of Oldtown, Me., at about $3,000.

TORRINGTON, CONN.—The Board of Warden and Burgesses contemplates construction of sewers. Cost $50,000. Hugh M. Cronin is Boro. Clk. W. A. Williston, 101 Main St., is Engr.

*FT. EDWARD, N. Y.—Plans and specifications for constructing sewerage system are on file at office of Engineering News, New York. Bids are asked until June 20.

ALBANY, N. Y.—Bids are asked by the Board of Contract and Supply, Isidor Watson, Clerk, until 3 p. m., Monday June 17, for laying 12-in. vitrified pipe sewer under carriageway of North Lake Ave., together with necessary bends, branches, house connections, manholes, etc. Walter Mellus is City Engr.

NEW YORK, N. Y.—Bids are asked by Bird S. Coler, Pres. Boro. of Brooklyn, until 11 a. m., June 19, for furnishing material and constructing sewer in 83rd St., from Second to Narrows Aves., etc., in Boro. of Brooklyn.

Bids are asked until June 18 by Geo. Cromwell, Pres., Boro. of Richmond, for furnishing material and constructing combined sewer with appurtenances in Tompkins Ave. in Dist. No. 1D in First Ward, together with all incidental work.

DEPEW, N. Y.—Bids are asked by J. C. Glade, City Clk., until noon, June 15, for constructing 1,950 lin. ft. 8-in. and 360 lin. ft. 10-in. vitrified tile sewer in Burlington Ave. and Ellicott Place. Jooss & Gatchell are Village Engrs.

LAKEWOOD, N. J.—The Lakewood Water, Light & Power Co. will install sewage disposal works this season, to consist of septic tanks and sand filter beds.

MORRISTOWN, N. J.—The following bids were received June 1 by the Board of Sewerage, Eugene S. Burke, Secy., for sewer work:

Laying sewer pipes—ANTONIO COSTA, East Orange, N. J., $153,279 (awarded contract); Thos. J. Allen, Stanhope, N. J., $164,682; Union Building & Construction Co., Passaic, N. J., $173,549; J. B. and H. K. Salmon, Hackettstown, $177,325; A. E. Sandford & Co., Hoboken, $199,763; J. F. Shandley & Co., Newark, $204,967.

Furnishing tile and iron sewer pipes—G. B. RAYMOND & CO., New York (awarded contract), $29,212; Lyth Tile Co., Buffalo, N. Y., $31,681; St. Mary's Sewer Pipe Co., St. Mary's, Pa., $33,171; Chas. W. Ennis Co., Morristown, $34,225.

Building disposal plant—J. B. & H. K. SALMON, $95,406 (awarded contract); Antonio Costa, $96,779; J. B. Heller, Brooklyn, N. Y., $97,816; Nicholas Marinaro, Morristown, $103,982; Sturges Bros., Morristown, $106,953. Proctor & Potts, Inc., 17 Battery Pl., New York, are Engrs.

*WASHINGTON, D. C.—Bids are asked by the District Commissioners until noon, June 18, for constructing sewers.

BALTIMORE, MD.—The Board of Awards on May 29, on recommendation of Sewerage Commission, relet contract for building Section 10 of outfall sewer to the J. CONNOLLY CONSTRUCTION CO., of Philadelphia, Pa., for $97,295.

NORFOLK, VA.—The only bid received May 30 for constructing part of sewerage system of the Seventh Ward was submitted by BRYAN & CO., of Jacksonville, Fla., as follows: 720 ft. 16-in. c.-i. pipe, $3.76; 500 ft. 12-in. c.-i. pipe, $2.94; 6,100 ft. 24-in. terra cotta pipe, $2.38; 780 ft. 20-in. terra cotta pipe, $4.01; 5,440 ft. 18-in. terra cotta pipe, $2.97; 3,620 ft. 15-in. terra cotta pipe, $2.25; 810 ft. 12-in. terra cotta pipe, $1.66; 2,450 ft. 10-in. terra cotta pipe, $1.50; 38 manholes, each $55; 14 inspection boxes, each $15; two sewer wells, each $3,100; 1,000 ft. c.-i. outfall on piles, $8.50. Total, $68,144. W. T. Brooke is City Engr.

CANTON, MISS.—Walter G. Kirkpatrick, of Jackson, is preparing plans for constructing system of house sewers for Canton. O. S. Miller is Mayor.

CLEVELAND, OHIO.—Bids are asked by the Board of Public Service, A. R. Callow, Secy., until noon, June 20, for constructing sewers in various streets. W. J. Carter is City Engr.

DELPHOS, OHIO.—Bids are asked by the Village Council until noon, June 21, for constructing portion of sewerage system. E. S. Peters is Village Clk.

KENT, OHIO.—The contract for constructing Park Ave. sanitary sewer has been let to WILDER & DAVIDSON, of Akron, Ohio.

*COLUMBUS, IND.—Bids are asked by the Common Council until 7.30 p. m., July 1, for constructing 9,838 ft. of main and lateral sewers. Lawrence F. Orr is City Clk. Wm. H. Rights is City Engr.

ELKHART, IND.—Bids are asked by the Board of Public Works until June 19 for construction of trunk sewer. A. M. Smith is City Engr.

CHELSEA, MICH.—Plans for constructing sewers and sewage disposal plant are being prepared by Geo. S. Pierson, of Kalamazoo, Mich.

COLDWATER, MICH.—The Board of Public Works recently let contract for constructing sanitary sewers Nos. 4 and 5, to A. P. SOUTHWORTH, of Adrian, Mich., for $4,235 and $8,739, respectively.

PANA, ILL.—All bids opened May 31 by the Board of Local Improvements, H. N. Schuyler, Pres., for constructing 30,000 lin. ft. of 8 to 20-in. sanitary sewer have been rejected, as being too high.

MILWAUKEE, WIS.—The Board of Public Works is reported to have awarded to C. J. CRILLEY, 2018 Cedar St., the contract for constructing cement sewer on 30th St., from Burleigh to Townsend Sts., for $47,352. Charles G. Poetsch is City Engr.

IDAGROVE, IOWA.—Bids are asked by George C. Hubbard, City Clk., until 5 p. m., June 18, for constructing sewerage system.

WATERLOO, IOWA.—Bids are asked by R. C. Thompson, City Clk., until 7.30 P. M., June 17, for constructing sewers on various streets. The work consists of the following approximate quantities: 1,590 ft. 48 in. concrete or vitrified paving brick; 23,225 ft. various sized standard vitrified sewer pipe or concrete and brick; 58 manholes and two bulkheads. C. T. Wilson is City Engr.

LEWISTOWN, MONT.—One mile of 24-in. tile sewer may be constructed. Otto F. Wasmansdorff is City Engr.

ST. LOUIS, MO.—The Board of Public Improvements has let contract for constructing the Glaise Creek sewer, from River Des Peres to Robert Ave., a distance of 1,800 ft., to the MYERS CONSTRUCTION CO., at $83,169. Charles M. Talbert is C. E., Bd. Pub. Impvts.

BEAUMONT, TEX.—Bids are asked by the City Council until 10 a. m., June 18, for constructing sewers. J. G. Sutton is City Secy. C. L. Scherer is City Engr.

RIFLE, COLO.—The City Council has let contract for constructing sewer to PETER O'BRIEN, of Denver, at about $10,000.

STREETS AND ROADS.

(* *denotes that this work is advertised in Engineering News.*)

BOSTON, MASS.—Contract for surfacing with bitulithic pavement 2,040 sq. yds. of asphalt foundation has been awarded to the WARREN BROTHERS CO., 93 Federal St., Boston.

FARMINGTON, CONN.—Bids are asked until 10 a. m., June 15, for macadamizing road. Charles Brandegee is Warden.

NEW MILFORD, CONN.—O. T. BENEDICT has contract for constructing 3,005 lin. ft. of gravel road on the Danbury Road and 2,000 lin. ft. of gravel road on the Park Lane Road, at 95 cts. and $1.05 per lin. ft., respectively.

*ELMIRA, N. Y.—Bids are asked by the Board of Public Works until 11 a. m., June 24, for paving portion of East Church St. with vitrified block and asphalt on concrete foundation. The work consists of about 7,800 sq. yds. paving and 3,700 lin. ft. curbing. S. A. Warner is City Clk. Frederick Leach is City Engr.

*GENEVA, N. Y.—Bids are asked by the Board of Public Works, W. S. Wood, Secy., until 7.30 p. m., June 27, for street paving with brick and asphalt. The approximate quantities of work are as follows: 14,000 sq. yds. pavement; 5,000 cu. yds. excavation; 10,200 lin. ft. 4-in. stone curb; 10,200 lin. ft. 3-in. drain tile; 2,000 lin. ft. storm water sewer tile and 25 catch-basins. C. T. Church is City Engr.

FT. NIAGARA (Youngstown post-office), N. Y.—Bids are asked by the Constructing Q. M. until 11 a. m., July 1, for constructing concrete walks.

BUFFALO, N. Y.—Bids are asked by the Department of Public Works, Francis G. Ward, Comr., until 11 a. m., June 21, for supplying paving stone, cross-walk stone, curbing, sand, gravel and crushed stone for street repair of 1907 and 1908. Charles M. Morse is Deputy Engr. Comr.

TROY, N. Y.—Bids are asked by the Board of Contract and Supply, James M. Riley, Clk., until 11 a. m., June 14, for paving portion of Sixth Ave. with vitrified brick pavement laid on relaid granite block pavement. Edward B. Cary is City Engr.

CANANDAIGUA, N. Y.—Bids are asked by the Board of Street Commissioners, F. P. Warner, Pres., until 8 p. m., June 18, for constructing pavements, curbs, etc., on various streets. A. C. Cappon is Street Superintendent.

COHOES, N. Y.—Bids are asked by the Common Council until 8 p. m., June 18, for paving and curbing portion of Bridge Ave. Wm. J. Elliot is City Clk. Charles H. Van Auken is City Engr.

NEW YORK, N. Y.—The following bids were received June 3 for repairing asphalt pavement, etc., on the North and East Rivers: Sicilian Asphalt Paving Co., 41 Park Row, $163,200; Barber Asphalt Paving Co., 114 Liberty St., $163,200; Continental Asphalt Paving Co., 42 Broadway, $163,200 and Uvalde Asphalt Paving Co., 1 Broadway, $169,500.

Bids have been received as follows for regulating, grading, setting curbstones, etc., in East 178th St., from Creston to Ryer Aves.: A. G. Vermilye, $10,293; H. Salter, $1,870; D. W. Moran, $7,457; J. C. Voorhees, $12,197; J. Carbone, $7,119; L. Pepe, $10,200; Wm. Gleason, $10,769; L. C. Rose, $6,017, and F. T. Gologan, $8,050.

The following bids have been received for regulating, grading, constructing approaches, etc., in Manida St., from Lafayette Ave. to Edgewater Road; D. W. Moran, 562 Burnside Ave., New York, $38,518; F. Falke, 2371 Old Broadway, New York, $49,786; J. C. Voorhees, $52,909; A. G. Vermilye, $38,007; Charles Schneider, $59,861, and T. C. Murray, 116 West 103d St., New York, $48,843.

Bids as follows have been received for regulating, grading, setting curbstones, etc., in Andrews Ave., from Burnside Ave. to West 180th St.: L. Pepe, $12,735; D. W. Moran, $9,144, and R. J. Kane, $6,577.

The following bids have been received for paving with granite block pavement on sand foundation, the roadway of Tiffany St., from Westchester to Intervale Aves.: Jenks Asserson Co., 78 Broad St., New York, $19,638, and Matthew Baird Contracting Co., 433 East 92d St., New York, $21,018.

NEW YORK, N. Y.—Bids are asked by Bird S. Coler, Pres. Boro. of Brooklyn, until 11 a. m., June 26, for regulating, grading, curbing, etc., portions of various streets, Borough of Brooklyn.

Bids are asked by John F. Ahearn, Pres. Boro. of Manhattan, until 3 p. m., June 18, for regulating, grading, paving, etc., portions of various streets, Boro. of Manhattan.

NEW YORK, N. Y.—Bids are asked by George Cromwell, Pres. Boro. of Richmond, until noon, June 25, for furnishing and delivering 1,500 tons of ¾-in. broken stone of trap rock or Staten Island syenite, at such point and in such quantities from time to time as the superintendent of highways may direct upon roads within the portion of the Boro. of Richmond known as Stone District No. 1.

*CAMDEN, N. J.—Bids are asked by Edward Francis, Chn. Com. on Streets and Highways, until 8 p. m., June 25, for paving various streets with sheet asphalt, Belgian or granite blocks and wood blocks in concrete foundation. L. E. Farnham is City Engr.

PLAINFIELD, N. J.—Bids are asked by the Common Council until 8 p. m., June 20, for macadamizing portions of various streets. James T. MacMurray is City Clk. Andrew J. Garrett is City Surv.

*CLARION, PA.—Bids are asked by G. G. Sloan, Borough Clk., until 7.30 p. m., July 8, for grading, paving and curbing portions of Wood and Main Sts. The work consists of approximately 6,200 cu. yds. grading, 16,780 sq. yds. paving and 9,085 lin. ft. curbing. James Rutherford is Engr.

*WASHINGTON, D. C.—Bids are asked by the District Commissioners until noon, June 29, for grading and regulating suburban streets and avenues.

WASHINGTON, D. C.—Bids were received as follows June 8, by the Depot Quartermaster, for grading at the National Cemetery, Arlington, Va.: E. R. Colbert, Mascannox, Va., 39 cts. per cu. yd.; E. G. Gummel, Eckington, D. C., 33 cts; James F. Bradley, Richmond, Va., 37 cts.

Bids were received as follows June 8, by the District Commissioners, for grading: James J. Obern, Washington, $29.9 cts. per cu. yd.; L. R. Colbert, Mascannox, Va., 39 cts.; G. B. Mullin, Washington, D C., 28⅞ cts.; W. F. Brenizer Co., Washington, 38 cts.

FREDERICKSBURG, VA.—The Depot Quartermaster, U. S. A., Washington, D. C., has awarded contract for construction of government roadway near Fredericksburg, Va., to JAMES F. BRADLEY, Richmond, Va., at $9,447.

GREENSBURG, KY.—Bids are asked by Green County Turnpike Co., L. W. Coakley, Treas., until July 1, for construction of road from this place to the Adair County line, a distance of about eleven miles.

LOUISVILLE, KY.—Bids are asked by the Board of Public Works until June 17 for grading, curbing and paving Beech St. from Woodland Ave. to Gibson Ave. with vitrified block gutters and asphalt pavement. Estimated cost, $7,600.

Bids also are asked at the same time for grading, curbing and paving eight alleys with vitrified block. The work consists of 2,500 cu. yds. excavation, 5,400 lin. ft. curbing and 3,600 sq. yds. paving. Estimated cost, $11,600. J. P. Claybrook is Ch. Engr. Dept. Pub. Wks.

CADIZ, OHIO.—We are officially advised that the following bids were received June 1 by W. H. Lucas, Town Clk., for 17,700 sq. yds., more or less, or street paving with brick: McLaughlin & Branson, Cadiz, $37,984 and $35,178; E. A. Freshwater & Son, Chester, W. Va., $34,439 and $28,679; Rosser & Maloney, Bellaire, Ohio, $35,315 and $30,440; George B. Clifford, Martins Ferry, Ohio, $36,045 and $32,500; Dixon & Pickett, Martins Ferry, $32,614 and $29,674; Rhinehart Bros., East Liverpool, Ohio, $33,514 and $27,606; WARWICK & TIMMONS, Cadiz, $29,514 (awarded contract). The Riggs-Sherman Co., 613 Nasby Bldg., Toledo, Ohio, are Engrs.

CLEVELAND, OHIO.—Bids are asked by the Board of County Commissioners, Julius C. Dorn, Clk., until 11 a. m., June 22, for repairing Berea Road from Kinsman's Corners to Pincombes' Corners.

TOLEDO, OHIO.—H. P. STRICHER & CO. have been awarded contract for laying 7,000 sq. yds. of Acme asphalt pavement.

ELYRIA, OHIO.—Bids are asked by the County Commissioners until 1 p. m., June 17, for constructing about three miles of macadam road. L. A. Fauver is County Surv.

MARIETTA, OHIO.—Bids are asked by the Board of Public Service, A. W. Tompkins, Clk., until noon, June 19, for improving various streets. A. F. Cole is Engr. Bd. Pub. Service.

BRYAN, OHIO.—Bids are asked by Sam Huston, State Highway Comr., until July 2, for constructing highway.

MANSFIELD, OHIO.—Bids are asked by Sam Huston, State Highway Comr., until July 3, for constructing highway.

HAMILTON, OHIO.—The W. N. ANDREWS CO., of this city, has been awarded contract for paving North B St. with brick and Maple Ave. with asphalt, at $36,972 and $26,605, respectively. A. L. Dillon is City Engr.

TOLEDO, OHIO.—The Board of Public Service has let contract to JAMES SHEEHAN for paving Southard Ave. at $3,679. Frank I. Consaul is Ch. Engr. Bd. Pub. Service.

UPPER SANDUSKY, OHIO.—Bids are asked by the County Commissioners until noon, June 18, for grading and graveling the Eden, Sycamore and Tymochtee Road. J. N. Traxler is County Audr.

BEDFORD, IND.—Bids are asked by the Common Council until June 18 for paving the Public Square with vitrified brick or block. Walter Malott is City Engr.

FT. WAYNE, IND.—The County Commissioners have awarded contract for construction of twelve miles of stone road in Maume Township to the ERIE STONE CO., for $32,000.

DUNDEE, MICH.—Four streets will be paved during the present season. Plans and specifications have been prepared by the Riggs & Sherman Co.

EDWARDSVILLE, ILL.—Bids are asked by the Board of Local Improvements until June 17 for paving Vandalia St., Hillsboro and St. Andrews Aves. with vitrified brick on 5-in. Portland concrete foundation. The work involves about 19,700 sq. yds. paving and 12,760 lin. ft. combination curb and gutter. Charles A. Sheppard is City Engr.

MADISON, WIS.—Bids are asked by O. S. Norsman, City Clk., until 7.30 p. m., June 14, for macadamizing. J. F. Icke is City Engr.

JANESVILLE, WIS.—Bids are asked by the Street Assessment Com., S. B. Heddles, Chn., until 2 p. m., June 27, for paving, etc. The work consists of 2,932 sq. yds. macadam and 391 lin. ft. combined cement curb and gutter. C. V. Kerch is City Engr.

LAWRENCE, KAN.—The contract for grading, curbing and paving with vitrified brick portions of various streets has been let to JOHN RITCHIE, of Topeka, Kan. F. D. Brooks is City Clk.

ST. LOUIS, MO.—Bids are asked by the Board of Public Improvements, W. B. Dryden, Secy., until noon, June 21, for constructing sidewalks, etc., on portions of various streets. Charles M. Talbert is C. E., Bd. Pub. Impvts.

MARSHALL, TEX.—Bids are asked by H. S. Rice, City Secy., until June 25, for laying 26,000 sq. yds. vitrified brick, asphalt and bitulithic pavement.

FT. WORDEN (Port Townsend post-office), WASH.—Bids are asked by Charles C. Burt, Quartermaster, until 11 a. m., June 29, for constructing roads, gutters and catch-basins.

PORTLAND, ORE.—Contract for constructing 20,000 sq. yds. of bitulithic pavement has been awarded to the WARREN CONSTRUCTION CO., 93 Federal St., Boston, Mass.

RIVERSIDE, CAL.—Contract for the improvement of Sixth St., from Walnut to Pepper Sts., has been let to McINTYRE CO. at following prices: Gutters, 16½ cts.; graveling, $4.85; curb, 34½ cts.; catch-basins, $17.50.

LONG BEACH, CAL.—The contract for paving on Ocean Ave. has been awarded to the FAIRCHILDS-GILMORE-WILTON CO. for 16 8-9 cts. and 24¼ cts. for gutters.

SALT LAKE CITY, UTAH.—Bids are asked by the Board of Public Works, F. J. Leonard, Chn., until 11 a. m., June 20, for constructing sidewalks in Sidewalk Extension No. 89. Louis C. Kelsey is City Engr.

TORONTO, ONT.—A contract for constructing 14,323 sq. yds. of bitulithic pavement has been awarded to the WARREN BITUMINOUS PAVING CO. C. H. Rust is City Engr.

MANUFACTURING PLANTS.

(* *denotes that this work is advertised in Engineering News.*)

SHAWMUT, ME.—The Shawmut Mfg. Co. of Shawmut, is making arrangements for construction of a pulp and paper plant on the site of the present saw mills. Flowage rights have been purchased so that the dam on the Kennebec River can be raised several feet, thus greatly increasing the water power.

NEW BEDFORD, MASS.—According to press reports William Whitman, of the Arlington Mills, of Lawrence, Mass., will build a cotton mill in New Bedford. It is stated that the new factory will cost about $1,000,000. The property has been purchased. The new mill will have 75,000 spindles and give employment to 750 operatives.

HOLYOKE, MASS.—The Layman Cotton Mills Co. has decided to expend $150,000 in improvements to its plant in addition to the $150,000 mentioned in Engineering News May 30.

PROVIDENCE, R. I.—The Directors of the Colwell Worsted Mills, 9 Calender St., will let contract soon for erecting a new factory at Hartford Ave. and Heath St., in the Olneyville section. The plans call for a main building of brick, one story in height, about 150 × 70 ft. Attached to this will be a weave shed of one story, 150 × 60 ft. Both buildings will be of saw-tooth roof construction. Adjoining the main building will be the engine and boiler house, 40 × 40 ft., and a finishing and dye house 60 × 60 ft. The machinery will be run by electricity.

TROY, N. Y.—Contract to erect a 5-story brick building, with trimmings of terra cotta, has been awarded to BULMER & HAYNES. Front S., by the Troy Waste Mfg. Co. The building will be 117 ft. on River St., 155 ft. on Jacob St. and 140 ft. on King St. M. F. Cummings & Son, Times Bldg., are Archs.

NEW YORK, N. Y.—Bids are asked until 9.45 a. m. June 18, by the Board of Health, for erecting an extension to the laundry building at the Riverside Hospital, North Brother Island, Boro. of the Bronx. Dr. Thomas Darlington is Pres.

FRANKLIN, PA.—Phillips & Fleming, Archs., Warren, Pa., have let general contract to HINDMAN-HENDERSON & CO., 245 Fourth Ave., Pittsburg, to construct a reinforced concrete manufacturing plant for the Kent Mfg. Co., Franklin, at $100,000. Foundry will have one story, 172 × 180 ft., and factory two stories, 51 × 269 ft.

FRANKFORD, PA.—We are officially advised that FRED. A. HAVENS & CO., Perry Bldg., Philadelphia, have secured contract, at $40,000, for constructing manufacturing plant for the Miller Lock Co., 4523 Tacony St., Philadelphia. The building will be 240 × 200 ft., one story high and of brick construction. Heacock & Hokanson, Perry Bldg., Philadelphia, are Archs.

BALTIMORE, MD.—Contracts have been awarded the NEW ENGLAND CONSTRUCTION CO., Boston, Mass., for constructing a 2-story addition to the plant of the Kline Mfg. Co., maker of children's dresses, corner of Ann and Fayette Sts. The addition will be located on lots 144 and 146 Ann St., and will adjoin the present plant. It will be 26 × 62 ft.

STATESVILLE, N. C.—It is reported that M. K. Steele & Sons, of Turnersburg, N. C., will erect a cotton factory near this town.

JACKSON, GA.—Additions are to be made, it is reported, to the Pepperton Cotton Mills, at Jackson. The plant now operates 13,000 spindles and 400 looms, and the capacity will be doubled.

ANNISTON, ALA.—Improvements are to be made and new machinery installed in the mill of the Planters' Mfg. Co., at Anniston, formerly the Blue Springs Cotton Mills. The company was recently incorporated with a capital stock of $100,000 to manufacture rope, twine, wick and batting.

WARREN, OHIO.—The Holscher Electric Mfg. Co., Warren, will begin work at once to erect a 2-story addition, 36 × 60 ft., for manufacturing lamps.

CINCINNATI, OHIO.—Jarvis Hunt, Arch., 100 Jackson Boulevard, Chicago, Ill., has prepared plans for a cold storage building to be erected for the Merchants' Ice & Cold Storage Co., at about $400,000.

The Lunkenheimer Co., Beekman & Queen City Aves., will erect a new building for the manufacture of pressed steel window and door frames and other articles of a similar nature. The buildings will cost about $300,000. Edward Lunkenheimer is Pres.; Samuel Moyer is Vice-Pres.

ELYRIA, OHIO.—The Dean Electric Co. will erect a 4-story factory, to cost $70,000, after plans prepared by the Osborn Engineering Co., Cleveland, Ohio.

COLUMBUS, OHIO.—The Buckeye Pump & Mfg. Co., Outlook Bldg., has purchased a lot at West Broad and Center Sts., upon which it will erect a factory. One 2-story building is contemplated, which will contain machine shop, engine room, pattern shop, tool shop and foundry.

MUNCIE, IND.—Bids are asked by Charles F. Bolt, proprietor of the glass factory recently destroyed by fire for the rebuilding of factory.

KEMPTON, IND.—The Cook Canning Factory has decided to build two additional buildings. A brick storage building, 40 × 80 ft., and a new brick boiler and engine room, 30 × 50 ft.

ANDERSON, IND.—The Basler Mfg. Co. will establish a factory on Main and Second Sts., and is in the market for $10,000 worth of machinery and equipment.

SAGINAW, MICH.—H. J. Gilbert, Pres. Saginaw Mfg. Co., has let the following contracts for a 4-story frame and concrete factory addition: Masonry, J. S. KERNS & SON, 207 South Third Ave.; carpenter work, HUGH SPENCE & BRO., 815 S. Jefferson St. Cost, $15,000.

GRAND RAPIDS, MICH.—The American Cement Plaster Co., Lawrence, Kan., has let general contract to APPLEYARD & JOHNSON, Powers Theater Bldg., Grand Rapids, for constructing a 2-story brick and concrete factory building, 60 × 500 ft., near the Lake Shore & Michigan Southern Ry. bridge, Grand Rapids. Cost, $200,000.

BATTLE CREEK, MICH.—HENRY L. VANDERHORST, Kalamazoo, Mich., has contract to build car shops at Battle Creek, for the Grank Trunk Ry. System. E. D. Jameson, Battle Creek, is Master Mechanic; T. T. Irving, Detroit, Mich., is Res. Engr.

CHICAGO, ILL.—A factory building will be erected for Heath & Milligan, 172 Randolph St. M. H. Church, Arch., 204 Dearborn St., has prepared plans, which call for a 4-story building, covering an area of 100 × 200 ft. The building will be of reinforced concrete construction, fireproof, with composition roofing, and will cost about $150,000. Work is to be started this summer.

PEORIA, ILL.—Bids are asked until June 15, by Fred. J. Klein, Arcade Bldg., for three 5-story factories and warehouses, 65 × 177 ft., for Stuber & Kuck. Mill construction, vitrified brick, structural steel, will be used, with hollow block fireproofing, composition roof, wire glass windows, steam heat, etc. Cost, $50,000.

JANESVILLE, WIS.—The Parker Pen Co. has purchased 28 acres of land in this city and will erect an up-to-date factory, at a cost of about $100,000. John Foster, care of Foster Construction Co., 312 Empire Bldg., Milwaukee, is Arch.

DES MOINES, IOWA.—The R. O. Stutsman Mfg. Co. has let general contract for constructing a 2-story factory, to W. F. MITCHELL, at $20,000.

ST. PAUL, MINN.—Thorl, Alban & Fisher, Archs., Chamber of Commerce, St. Paul, have let the general contracts for the dairy and poultry buildings at the State Fair Grounds, St. Paul, to C. ASH & CO., and C. N. LOVENE, both of St. Paul, at $20,000 and $25,000, respectively.

LIVINGSTON, MONT.—The contract to build an addition to the machine shops at Livingston has been let to DEEKS & DEEKS, German-American Bank Bldg., St. Paul. The new addition will be an extension of the present shops, 125 ft. in width and 200 ft. in length. The cost is estimated at $100,000. Work will begin immediately and about 400 men will be employed.

KIRKSVILLE, MO.—The Friedman-Shelby Shoe Co., of St. Louis, will build two factories at Kirksville, 60 × 300 ft., two stories each, of brick and stone, in addition to power house for lighting, operating and heating the plants. Women's, misses', children's and boys' shoes will be made.

LAMPASAS, TEX.—The contract for erection of an oil mill for the Lampasas Oil Co. has been let to NICHOLS & CASHERR, Lampasas.

GUELPH, ONT.—The Guelph Axle Works will build an addition, 46 × 76 ft., to the present plant.

WINNIPEG, MAN.—J. Hargraft, of the Gooderham & Worts Whiskey Distillery, Toronto, Ont., has purchased a site here, upon which to erect a distillery which will cost about $1,000,000.

MEDICINE HAT, ALTA.—The STRATFORD MILL BUILDING CO., Stratford, Ont., has been awarded a contract to double the capacity of the Medicine Hat Flour Mills Co.'s plant, at $81,000.

MISCELLANEOUS CONTRACTS.

(denotes that this work is advertised in Engineering News.)*

U. S. RECLAMATION SERVICE.—All news relative to canal projects, etc., will be found under Water Supply—Irrigation.

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*DREDGING.—Norfolk, Va.—Bids are asked until June 29 by Maj. Joseph E. Kuhn, Corps Engrs., U. S. A., for dredging harbor at Norfolk.

*DREDGING.—Wilmington, Del.—Bids are asked by Maj. C. A. F. Flagler, Corps Engrs., U. S. A., until 11 a. m., June 26, for dredging in Cohansey River, N. J.

DREDGING.—Cleveland, Ohio.—Bids are asked until 2 p. m., July 5, by Lieut.-Col. C. McD. Townsend, Corps Engrs., U. S. A., for dredging in Cleveland Harbor.

PARK SYSTEM.—Syracuse, N. Y.—George E. Kesler, Landscape Arch., Fidelity Trust Bldg., Kansas City, Mo., is preparing general plans for extensive park system in Syracuse.

NAVAL SUPPLIES.—Washington, D. C.—Bids are asked by E. B. Rogers, Paymaster-Gen., U. S. N., until 10 a. m., June 18, for furnishing various naval supplies at navy yards.

*LEVEE.—Memphis, Tenn.—Bids are asked until noon, July 5, by Capt. Wm. D. Connor, Corps Engrs., U. S. A., for levee work in First and Second Districts (White River Levee District.)

JETTY, DIKE.—Mantua, N. J.—Bids are asked by Maj. C. A. F. Flagler, Corps Engrs., U. S. A., Wilmington, Del., until June 21, for jetty and dike construction at mouth of Mantua Creek.

LUMBER, PILES.—Washington, D. C.—Bids are asked until noon, June 29, by Capt. Spencer Cosby, Corps Engrs., U. S. A., Washington, for lumber and piles on Rappahannock River, Va.

SEAWALL.—Bradford, R. I.—One bid was received on June 10, at the Bureau of Equipment, Navy Dept., Washington, D. C. It was submitted by Roy H. Battle, of Fall River, Mass., at $2,480.

*SEAWALL.—New Orleans, La.—Bids are asked until 11 a. m., July 15 (a postponement from June 24), by Col. E. H. Ruffner, Corps Engrs., U. S. A., for constructing seawall at Fort St. Philip, La.

FIRE SYSTEM.—Washington, D. C.—Bids are asked by Maj. M. Gray Zalinski, Q. M., U. S. A., until 11 a. m., June 17, for installation of fire system at Arlington National Cemetery, Va.

SAND AND BROKEN STONE.—New York, N. Y.—Bids are asked until noon, June 19, by J. A. Bensel, Comr. Docks, for furnishing about 3,000 cu. yds. of sand and 11,000 cu. yds. of broken stone.

WALLS, ETC.—Oswego, N. Y.—Bids are asked by Lieut. W. F. Harrell, Constr. Q. M., U. S. A., until June 15, for completing exterior walls and earth embankments of old fortifications at Fort Ontario.

COBBLE AND RIPRAP.—New York, N. Y.—Bids are asked until noon, June 19, by J. A. Bensel, Comr. Docks, for furnishing, delivering and putting in place small cobble and riprap stone. Estimated quantity, 15,000 cu. yds. of small cobble and 20,000 cu. yds. of riprap.

REMOVING ROCK.—Sandusky, Ohio.—Bids are asked by Lieut.-Col. C. McD. Townsend, Corps Engrs., U. S. A., until 2 p. m., July 5, for removal of bedrock and overlying materials in Sandusky Harbor, Ohio.

CONCRETE PIER.—Logan, Ohio.—Bids are asked until 1 p. m., June 29, by James L. Martin, Clerk Bd. of County Comrs., Logan, for the construction of a concrete pier in the Hocking River at Enterprise, Ohio.

TUNNEL ENTRANCE.—Boston, Mass.—Bids are asked until noon, June 20, by the Boston Transit Commission for constructing a Washington St. tunnel entrance and exit at Hayward Pl. B. Leighton Beal, Secy.

*METAL WORK.—Baltimore, Md.—Bids are asked until noon, July 1, by the Light-House Engineering Department of Commerce and Labor, for metal work for the Punzoteague Creek, Va., beacon light.

TELEPHONE SYSTEM.—Markham, Ont.—The Uxbridge & Scott Independent Telephone Co. has been organized to supply the following villages with telephones: Mount Albert, Sunderland, Stouffville and Claremont.

*DREDGING.—Urbana, Ohio.—Bids are asked by the Board of County Commissioners until 10 a. m., July 15, for dredging about 615,584 cu. yds. material in connection with the Mad River Improvement. C. S. Pratt, Engr.

DREDGING.—Buffalo, N. Y.—Bids are asked until 11 a. m., June 20, by Francis G. Ward, Comr. Dept. Public Works, for the dredging of Buffalo Inner Harbor to the completed contract depth for maintenance of the channel.

BREAKWATER.—Oswego, N. Y.—The only bid received on June 6 by Col. H. M. Adams, Corps Engrs., U. S. A., for improving the timber crib breakwater at Oswego was that of the Barnett Contracting Co., of Oswego, which bid $295,000.

POST FENCE.—Prescott, Ariz.—Bids received by Capt. Chas. C. Walcott, Jr., A. Q.-M., U. S. A., on May 10, for the construction of a post fence at Whipple Barracks, have been rejected. This work will not be readvertised for the present.

SOLDIERS' MONUMENT.—Mount Vernon, Ind.—Charles G. Blake & Co., of 184 La Salle St., Chicago, were the lowest bidders for the construction of a soldiers' monument, at $12,798. The commissioners probably will award the contract on this bid.

DREDGING PLANT.—Rock Island, Ill.—Bids are asked by Maj. C. S. Riche, Corps Engrs., U. S. A., until 2 p. m., June 19, for hire and operation of a dredging plant, to consist of a dipper-dredge, tender and dump-scows, for use at Moline, Ill.

BULKHEADS.—San Jose, Cal.—Bids were received on June 4 for the construction of concrete bulkheads over Los Gatos Creek at Park Ave. J. G. McMillan, County Surv. Contract was awarded to JOHN DOYLE, 660 North Tenth St., San Jose, at $6,265.

*DREDGING, BREAKWATERS, New York, N. Y.—Bids are asked until noon, July 10, by Col. John G. D. Knight, Corps Engrs., U. S. A., for dredging in Coney Island Channel and Flushing Bay and extending breakwaters at Port Jefferson and Sag Harbor, N. Y.

*BITUMINOUS COAL.—New York, N. Y.—Bids are asked until noon, June 28, by Lieut.-Col. W. L. Marshall, Corps Engrs., U. S. A., for furnishing and trimming into U. S. dredges during the twelve months beginning July 1, 1907, about 24,000 tons of bituminous coal.

FERRY HOUSE.—New York, N. Y.—One bid was received on June 5 by J. A. Bensel, Comr. of Docks, for building a ferry house for the new 39th St. ferry, between Whitehall and Broad Sts., East River. It was submitted by Snare & Triest Co., 143 Liberty St., for $647,800.

DREDGING. — Fernandina, Fla.—Bids are asked until noon, July 1, by Lieut. Col. Dan C. Kingman, Corps Engrs., U. S. A., for dredging in harbor at Fernandina. This contract was advertised in Engineering News, to be let July 18, but date has been changed, as given above.

PARK.—Boise, Idaho.—A park to cost about $100,000, to erect buildings and prepare a lake, fully equipped, is to be built by the Boise & Interurban Co. four miles down the valley, near the company's power house now in the course of construction. C. J. Franklin is Gen. Mgr.

SUBWAY. — Jacksonville, Fla. — J. E. BRYAN & CO., of Jacksonville, have secured the contract for constructing the subway to carry Myrtle Ave. under tracks of Jacksonville Terminal Co. at this point where avenue now crosses over tracks. Total cost of proposed subway is $100,000.

*EXCAVATION, ETC.—Bids are asked until 2 p. m., July 10, by the Commissioners of the Nutwood Drainage and Levee District of Jersey and Green Counties, at the office of the County Clerk, Jerseyville, for excavation for drainage, ditches, clearing land, etc.

LEVEE.—New Orleans, La.—Contracts for levee work, aggregating 900,000 cu. yds. on the Live Oak, La Reussite and Jesuit Bend levees, Plaquemines Parish, were awarded to DAMERON & WHITE, 419 Hennen Bldg., New Orleans, at a meeting of the Lafourche Basin Levee Board held on June 4.

*MATTRESSES.—New Orleans, La.—Bids are asked by Col. E. H. Ruffner, Corps Engrs., U. S. A., until noon, July 6 (a postponement from June 20), for constructing sill across Cubit's Gap and The Jump, and placing additional mattresses on sill across head of Pass-a-Loutre, Mississippi River.

SUBWAY.—Washington, D. C.—The Superintendent of the U. S. Capitol Building and Grounds, Washington, D. C., has awarded contract to R. S. BLOME CO., Chicago, for the construction of two subways connecting the Capitol proper with the new Senate and House office buildings, at its bid on concrete construction, of $164,000. Complete list of bids received was given on May 23.

RETAINING WALL.—Albany, N. Y.—F. C. Stevens, State Supt. of Public Works, has awarded to H. W. FISHER, of Oneida, N. Y., the contract for constructing a third-class concrete retaining wall along the west side of Oneida Feeder, at Oneida, N. Y., his bid, submitted on May 28, having been reduced to $4,115.

RIPRAP.—Washington, D. C.—Bids were opened June 7 as follows at the office of the Engineers, U. S. A., Washington, D. C., for furnishing and placing 5,000 cu. yds. of riprap stone in Anacostia River, D. C.: Charles G. Smith & Sons, 3218 K St., N. W., Washington, $1.47½ per cu. yd.; McLanahan Granite Co., Port Deposit, Md., $3.

STEEL RAILS, ETC.—Ottawa, Ont.—Bids are asked by P. E. Ryan, Secy. of the Trans-Continental Ry. Commission, until noon, June 25, for the supply of 65,371 gross tons of open hearth or Bessemer 80-lb. steel rails and the necessary fastenings. Specifications and form of bid may be had from Hugh D Lumsden, Ch. Engr., Ottawa, Ont.

LIBRARY EQUIPMENT.—New York, N. Y.—Bids are asked by the Park Commissioners until 3 p. m., June 27, for work and material for the installation of electric equipment, elevators, lifts, book conveyors and pneumatic tubes, in the New York Public Library, Astor, Lenox and Tilden Foundations, Fifth Ave., 40th and 42d Sts.

DREDGING.—Boston, Mass.—The following are the bids received on May 25 by Maj. Ed. Burr, Corps Engrs., U. S. A., Boston, for dredging Beverly Harbor: (a) 44,000 cu. yds. dredging, per cu. yd.; (b) boulders, each weighing three tons or more, per cu. yd.: Bay State Dredging Co., 185 Summer St., Boston, (a) 38½ cts., (b) $5; Eastern Dredging Co., 247 Atlantic Ave., Boston, (a) 39 cts., (b) $8.

FIRE ALARM TELEGRAPH SYSTEM.—New York, N. Y.—Bids are asked until 11 a. m., June 17, by C. B. J. Snyder, Supt. School Bldgs., Bd. Education, for installing fire alarm telegraph system in Public Schools 16, 37, 45, 77, 81, 92, 95, 96, 97, 98, 99, 100, 101, 102, 119, 127, 128, 134, 139, Manual Training High School and Boys' High School Annex, also for installing cut-outs in loops for various schools in the Boro. of Brooklyn.

DREDGING.—New York, N. Y.—Bids were received as follows on June 5 by J. A. Bensel, Comr. of Docks, for dredging about 100,000 cu. yds. on the North River, and on the East and Harlem Rivers, Boroughs of Manhattan, Brooklyn, Queens and the Bronx, and in the Boro. of Richmond: R. G. Packard & Co., 130 Pearl St., 63 cts. a cu. yd.; Morris & Cumings Dredging Co., 17 State St., 48 cts.; W. H. Baird Dredging Co., 17 State St., 69 cts.

SCOWS.—New York, N. Y.—Bids were received as follows by M. Craven, Comr. Street Cleaning, on June 5 for construction of seven scows: James Rielly Repair & Supply Co., 227 West St., $52,234; James Tregarthan, foot of Seventh St., $48,300; John F. Walsh, Jr., 137 Charlton St., $48,730; James Shewan & Son, foot Houston St., $48,818; J. W. Sullivan, 827 East Ninth St., $50,400; Ward & Company, 10 Liberty Place, $51,100. All bidders of New York.

RIPRAP.—Bridgeport, Conn.—Bids were received as follows on June 7 at the U. S. Engineer Office, New London, Conn., for delivering about 70,000 tons of riprap stone in breakwaters at Bridgeport. Maj. Harry Taylor, Corps Engrs., U. S. A.: O'Brien Bros., Inc., 54 South St., New York, $1.13 a ton; total, $79,100. E. S. Belden & Sons, Hartford, Conn., $1.27; $98,900. Estate John Beattie, Leetes Island, Conn., $1.17; $81,900. Sea Coast Construction Co., New York, N. Y., $1.69; $118,300.

COALING TOWER.—Tiburon, Cal.—Bids were received as follows June 5, at the office of the Bureau of Equipment, Navy Department, Washington, D. C., for the construction of a coal-hoisting plant at California City Point, Cal.: G. & W. Mfg. Co., New York, $50,998; Snare & Triest, 85 Liberty St., New York, item 1, $45,900; item 2, $43,960. Hay Foundry & Iron Works, Newark, N. J., $48,500. San Francisco Bridge Co., Monadnock Bldg., San Francisco, Cal., item 1, $36,900; item 2, $29,900.

CANAL.—Boston, Mass.—Various preliminaries to the construction of the Cape Cod canal that have been awaiting the approval of the joint board of railroad and harbor and land commissioners since the public hearing ten days previous have been approved, and at a meeting held on June 6 the joint board issued the formal decree. This action clears the path of the Boston, Cape Cod & New York Canal Co. of all legal obstructions, so that it is now free to enter on construction. Noted fully on April 4.

FIRE ALARM SYSTEM, ETC.—Albany, N. Y.—The following bids were received by the Board of Contract and Supply, Albany, on June 3, for furnishing a combined automatic and manual fire alarm telegraph central office equipment, and for equipping the bureau of police with a signal system in the First, Third and Fifth Precincts: Star Electric Co., Binghamton, N. Y., $16,997; Frederick Pierce Co., New York, $17,125; Gamewell Fire Alarm Telegraph Co., $24,500. M. H. Higgins is Ch. of Fire Dept.; James L. Hyatt is Ch. of Police.

FORGINGS.—Washington, D. C.—Bids are received as follows June 5, at the office of the Chief of Ordnance, Washington, D. C., for one set 14-in. forgings for wire wound gun and two sets forgings 14-in. for forged steel gun: Midvale Steel Co., Philadelphia, wire wound: carbon steel, 28½ cts. per lb.; nickel steel, 36 cts.; forged steel: carbon steel, 21 cts.; nickel steel, 36 cts. Bethlehem Steel Co., South Bethlehem, Pa., wire wound: gun steel, 25 cts.; forged steel "C," 30 cts.; forged steel: gun steel, 21 cts.; forged steel "C," 30 cts.

DREDGING.—Galveston, Tex.—Bids were received on May 28 by Maj. E. Jadwin, Corps Engrs., U. S. A., as follows: (a) Dredging Texas City channel per lin. ft.; (b) Port Bolivar channel per cu. yd.; (c) Houston Ship channel per cu. yd.; Bowers Southern Dredg-

ing Co., Galveston, (a) $1.50; (b. 14.75 cts.; (c) 43 cts.; ATLANTIC, GULF & PACIFIC CO., 13-21 Park Row, New York, (a) $1.74 (awarded contract); (b) 9.25 cts. (awarded contract); North American Dredging Co., (a) $2; (b) 17 cts., C. L. Craudall, Galveston, (b) 14.98 cts.

PIER SUPERSTRUCTURE.—Detroit, Mich.—Bids were received on May 27 by Col. C. E. L. B. Davis, Corps. Engrs., U. S. A., for improvements at Harbor Beach and Port Huron. For the work of removing the old superstructure and building a concrete main pier at Harbor Beach, Hugo & Timms, Duluth, bid $119.98 a lineal ft. and John B. O'Neill, Toledo, bid $135.63 a ft. The sum of $150,000 is available for the work.

For dredging at the mouth of the Black River at Port Huron bids were: Muir & Sullivan, Port Huron, $13 an hour, removing 90 cu. yds. an hour; James Davidson, Bay City, $28.55 an hour.

LEVEE.—Memphis, Tenn.—Bids were received on June 1, at the U. S. Engineer Office, Custom-House, Memphis, for about 1,600,000 cu. yds. of levee work in First and Second Districts, Mississippi River Improvement, as Capt. William D. Connor, Corps Engrs., U. S. A., advertised in Engineering News. The bids were as follows: W. R. Moseley's bid on 12,000 cu. yds. ten miles below Cairo was 21.70 cts. per yd. He also bid the same amount on 162,000 yds. thirteen miles below Cairo, and was declared the lowest. Other lowest bids on work were as follows: R. L. Leonard, 400,000 yds., 20 miles below Cairo, 17 cts. P. H. Rogers, 135,000 yds., near Point Pleasant, 17.74 cts. A. T. Tindall, 258,000 yds. near Caruthersville, Mo., 17.70 cts. R. L. Leonard, 175,000 yds. near Cottonwood Point, 16.74 cts. Roach & Stansall, 233,000 yds. near Pecan Point, 22.70 cts. All the bidders except A. T. Tindall, of Caruthersville, are Memphis contractors.

LOCK AND DAM.—Irvine, Ky.—Bids were received by Maj. J. G. Warren, Corps Engrs., U. S. A., Cincinnati, Ohio, on June 4, for constructing Lock and Dam 12, Kentucky River, near Irvine, Ky., as advertised in Engineering News. There is at present six-foot slack water navigation almost to that point, and the new lock and dam will bring it up to Heidelberg, Ky., a distance of 18 miles further. Two plans were advertised. No. 1 provides for the construction of a concrete wall 300 ft. long and No. 2 for a wall 800 ft. in length. The bids were as follows: Sheridan-Kirk Contract Co., Cincinnati, for Plan No. 1, $406,392; for No. 2, $447,479. Hollerbach & May Contract Co., Evansville, Ind., $412,352 for No. 1 and $451,112 for No. 2. H. E. Talbott & Co., Dayton, Ohio, $395,069 for No. 1 and $434,329 for No. 2. Bates & Rogers Construction Co., Chicago, Ill., $514,227 for No. 1 and $562,347 for No. 2. The Ohio River Contract Co., of Evansville, Ind., $381,309 for No. 1 and $467,469 for No. 2. Mason, Hanger & Coleman Co., Richmond, Ky., $497,780 for No. 1 and $545,875 for No. 2. The engineer's estimates were $370,750 for Plan No. 1 and $401,210 for Plan No. 2.

U. S. POSSESSIONS AND CUBA.

LUMBER.—Panama.—David W. Ross, Gen. Purchasing Officer, Isthmian Canal Comn., Washington, D. C., has awarded to D. L. GILLESPIE & CO., Pittsburg, Pa., contract for furnishing 1,716,000 ft. B. M., of Douglas fir lumber, at $25.45 per M. ft., or a total of $42,672.

ELECTRIC-LIGHT MACHINERY. — Panama.—Requisitions were received from the Isthmus, June 5, at the office of David W. Ross, Gen. Purchasing Officer, Isthmian Canal Comn., Washington, D. C., for three engines and dynamos, direct connected, and switchboard, for an electric light plant on the dredges now in use on the canal. Plans and specifications will be issued in a few days.

LUMBER. — Panama. — Requisitions were received June 5, from the Isthmus, at the office of David W. Ross, Gen. Purchasing Officer, Isthmian Canal Comn., Washington, D. C., for piles and lumber as follows: 2,985 untreated piles, Douglas fir, cypress, or long leaf yellow pine, lengths from 15 ft. to 75 ft. Piece lumber, Douglas fir, white pine, long leaf Southern pine, or Tamarack, as follows: 7,400 pieces, 6 x 8 in. x 8 ft.; 700 4 x 8 in. x 14 ft.; 600 4 x 8 in. x 16 ft.; 700 4 x 8 in. x 18 ft.; 1,300 4 x 8 in. x 24 ft.; 1,320 4 x 14 in. x 6 ft.; 1,420 8 x 16 ins. x 32 ft. Specifications and proposal blanks for this material will be issued in a few days.

ENGINEERING SUPPLIES. — Panama.—Bids are asked until 10.30 a. m., June 21, at the office of David W. Ross, General Purchasing Officer, Isthmian Canal Comn., Washington, D. C., for a quantity of engineering supplies as follows: Mineral oil, alcohol, turpentine, white zinc, gasoline, white lead, linseed oil, aluminum, lampblack, paints and putty; one single phase 5-HP. motor; tool grinders, boiler feed pumps, safety valves, tumbler bearings, post drill, steel wire cables, spuds, 60 frogs of 70-lb. rails, 36 switches, 15 ft. long, 60 low switch stands, brake rod connection pins; standard cast-iron Y's, 4,000 ft. soil pipe, 300 ft. cast-iron standard 10-in. water pipe, 15,000 ft. standard vitrified sewer pipe, 6-in.; 100 standard 6-in. fire hydrants, tool steel, fire hose, etc.

FOREIGN CONTRACTS.

HARBOR IMPROVEMENTS.—Scotland.—The harbor at Wick, Caithness, Scotland, will be enlarged at estimated cost of $500,000. Address J. Barron, Aberdeen.

TELEGRAPH LINE.—French West Africa.—Official sanction has been granted for the construction of a line of telegraph from Timbuctu to Niamey and Linder, a distance of 1,118 miles, at a estimated cost of $400,000. Particulars for bids may be secured from the Government of French West Africa at Paris.

TELEPHONE AND TELEGRAPH MATERIAL.—Victoria.—Bids are asked until noon, July 16, at the office of the Deputy Postmaster-General, Melbourne, for the supply and delivery of telegraph and telephone material at Melbourne. Specifications may be obtained at the General Post Offices at Melbourne, Sydney, Brisbane and Adelaide.

RAILS, ETC.—Ireland.—Bids are asked until June 17 by the Great Northern Ry. Co., Dublin, for 1,000 tons of 90-lb. steel bullhead rails with the necessary fish plates and 200 tons of cast-iron chairs.

RAILWAY MATERIAL.—South Australia.—Bids are asked until 3 p. m., July 31, at the Supply and Tender Board office, Adelaide, for the supply of various railway material, delivered in bond, on wharf, Port Adelaide, wharfage to be paid by the contractor. Specifications may be seen and forms of bid obtained at the Supply and Tender Board office, Adelaide, and at the office of the Chief Mechanical Engineer, Islington, South Australia; specifications may also be seen at the office of the Agent-General for South Australia, 28, Bishopsgate St. Without London, E. C. Copies of indent, with specifications complete (33s. each) and drawings, may be obtained at the Chief Mechanical Engineer's office, Islington, South Australia. Date of delivery, as well as the names of the manufacturers of the materials bid upon, must be distinctly stated in each bid. The materials are subject to the inspection, test, and approval of the Government Inspecting Engineer, in London, or the Chief Mechanical Engineer, in Adelaide.

PAPER MILLS DESIRED.—Burma.—William H. Michael, U. S. Consul-General, Calcutta, India, writes from that city that the Burma Government of India is soliciting applications from persons desirous of establishing paper mills in the province. To encourage the new industry the following concessions and agreements will be concluded for 21 years: No royalty will be charged on bamboo cut and used for paper or pulp manufacture during this time or on manufactured paper stock for seven years, but thereafter the rate will be 32 cents per ton. Suitable sites for the erction of a factory, if on government land, will be granted rent free for 21 years. The free use of all roads will be guaranteed. The factory must be built in two years and kept working 120 days in each year and produce after the first seven years an annual output of 10,000 tons, which shall be increased to 20,000 tons after 14 years. A statement showing the output of the mill must be made each month, and a full inspection of all books by the local government must be allowed.

CONTRACT PRICES.

PAVING.—Albany, N. Y.—Bids were received as follows by the Board of Contract and Supply, Albany, on June 3, for the improvement of Morris St., from Ontario St. to Partridge St.: (A) John Doyle, 14 James St., Albany; (B) Mulderry Bros., 115 First St., Albany; (C) Edward F. Dillon, 5 North First St., Albany. Walter Melius is City Engr.:

	(A)	(B)	(C)
2,070 sq. yds. brick pavement	$3.32	$3.32	$3.10
20 sq. yds. driveways	3.32	3.32	3.10
15 sq. yds. relaying pavement	1.00	1.60	1.00
15 sq. yds. relaying pavement	.50	1.30	.50
1,320 lin. ft. straight curb	1.27	1.19	1.25
6 lin. ft. circular curb	1.27	1.45	1.40
30 lin. ft. relaying curb	.50	.50	.50
4,775 sq. ft. flag walk	.29	.29	.30
17,135 sq. ft. brick walk	.26	.24½	.25
550 sq. ft. relaying walk	.10	.10	.09
1,085 lin. ft. 12-in. pipe	1.75	1.82	1.75
70 lin. ft. 6-in. pipe	.75	.80	.75
40 Y branches	4.50	4.90	4.50
20 6-in. bends	.35	.70	.50
10 6-in. reducers	.95	1.25	1.50
17 water services	32.00	29.00	30.00
5 manholes	65.00	65.00	65.00
1 receiving basin	98.00	98.00	95.00
1 gutter basin	42.00	40.00	40.00
6 grubbing trees	22.00	20.00	22.00
Days to complete, $6 per day	70.00	70.00	50.00
	$18,152	$17,893	$17,448

FILTERING MATERIALS, UNDERDRAINS.—Philadelphia, Pa.—Bids were received as follows, in detail, by the Bureau of Filtration, Dept. of Public Works, on May 31, for filtering materials and underdrains for the Torresdale filters. For furnishing and placing, (A) 23,000 lin. ft. 8-in. terra cotta pipes; (B) 3,000 cu. yds. No. 1 filter gravel; (C) 4,100 cu. yds. No. 2 filter gravel; (D) 4,000 cu. yds. No. 3 filter gravel; (E) 4,400 cu. yds. No. 4 filter gravel; (F) 2,340 cu. yds. No. 5 filter gravel; (G) 92,000 cu. yds. filter sand; (H) total: Harmer & Quinn, 612 Fidelity Bldg., Philadelphia, (A) 50 cts.; (B) $2.60; (C) $2.60; (D) $2.73; (E) $2.73; (F) $2.90; (G) $2.13; (H) $255,638. Norcross & Edmunds, Penn Sq. Bldg., Philadelphia, (A) 30 cts.; (B) $2.55; (C) $2.55; (D) $2.55; (E) $2.85; (F) $2.55; (G) $1.70; (H) $210,112.

ENGINEERING MATERIAL PRICES.

TRACK FASTENINGS—
Pittsburg, f. o. b. cars—Angle bars, 1.65 to 1.75 cts.; spikes, 2.25 to 2.45 cts.; bolts, square nuts, 2.65 to 2.75 cts.; bolts, hexagonal nuts, 2.80 to 2.90 cts.

RAILS, STEEL—
New York—at mill—New standard sections, $28; standard, second quality, $27; light sections 12 to 25 lbs., $31 to $33; old iron f. o. b. New York, $25 to $25.50; old steel, long lengths, $17.50 to $18; old steel, short pieces, $16.50 to $17.
Pittsburg—Standard sections, at mill, $28; standard, second quality, $27.50 to $28; light rails, 20 to 45 lbs., $32; 16-lb., $33; and 12-lb., $34 at mill.

STRUCTURAL MATERIALS—
New York—at tidewater—Beams and channels, up to 15-in., 1.84½ cts.; over 15-in., 1.84½ cts; angles, 3 x 2 and up to 6 x 6, 1.84½ cts.; zees, 3-in. and larger, 1.89½ cts.; tees, 3-in. and larger, 1.89½ cts.; steel bars, half extras, 1.74½ cts.

PLATES AND SHEETS—
New York—at tidewater—Sheared plates tank, 1.84½ to 1.94½ cts; flange, 1.94½ to 2.09½ cts.; marine, 2.14½ to 2.19½ cts.; still bottoms, 2.14½ to 2.19½ cts.; fire-box, 3.15 to 3.20 cts.
Pittsburg—Tank, ¼-in. thick and heavier, 1.70 to 1.80 cts.; black sheets, 27-gage, 2.50 to 2.55 cts.; black sheets, 28-gage, 2.60 to 2.65 cts.

IRON—
Pig Iron:

At New York—tidewater—		
Northern—		
No. 1 X foundry	$24.20 to	25.20
No. 2 X foundry	23.70 to	24.70
No. 2 plain foundry	23.20 to	24.20
Gray forge	22.50 to	23.00
Basic	23.70 to	24.20
Virginia—		
No. 1 foundry	25.65 to	26.00
No. 2 foundry	25.40 to	25.65
Southern—		
No. 1 foundry	24.50 to	25.75
No. 2 foundry	24.00 to	25.00
No. 3 foundry	23.50 to	24.00
No. 4 foundry	22.75 to	23.75
No. 1 soft	24.50 to	24.75
No. 2 soft	24.00 to	24.75
Gray forge	22.00 to	22.50
Mottled	21.50 to	22.00
At Chicago—		
Lake Superior Charcoal	$27.50 to	$28.00
Northern Coke Foundry, No. 1	27.00 to	27.50
Northern Coke Foundry, No. 2	26.50 to	27.00
Northern Coke Foundry, No. 3	26.00 to	26.50
Northern Scotch, No. 1	27.00 to	27.50
Ohio Strong Softeners, No. 1	26.50 to	27.00
Ohio Strong Softeners, No. 2	26.00 to	26.50
Southern Coke, No. 1	27.35 to	27.85
Southern Coke, No. 2	26.85 to	27.35
Southern Coke, No. 3	26.35 to	26.85
Southern Coke, No. 4	25.85 to	26.35
Southern Coke, No. 1 Soft	27.35 to	27.85
Southern Coke, No. 2 Soft	26.85 to	27.35
Southern Gray Forge	25.35 to	25.85
Southern Mottled	25.35 to	25.85
Malleable Bessemer	26.50 to	27.00
Standard Bessemer	25.30 to	25.80
Jackson Co. and Kentucky Silvery, 6%	31.30 to	31.80
Jackson Co. and Kentucky Silvery, 8%	32.30 to	32.80
Jackson Co. and Kentucky Silvery, 10%	33.30 to	33.80
At Pittsburg, f. o. b. cars—		
No. 2 Foundry	$24.50 to	$25.00
Gray Forge		20.85
Bessemer Iron	21.55 to	23.35
Ferro-manganese	77.00 to	78.00
Muck Bars	34.00 to	37.00
Iron Bars	1.80 to	1.85
Cut Nails		2.05

Cast-iron Pipe:
New York—Carload lots, net tons, 6-in., at tidewater, $34.50 to $35.
Chicago—4-in. water pipe, $37 to $38; 6-in. to 12-in., $36 to $37; over 12-in., $35 to $36, with $1 extra for gas pipe.

MISCELLANEOUS MATERIALS—
Asphaltum:
Ventura and other California asphalts, $20 to $23 per ton at New York; Trinidad refined, $22 to $25 per ton; Venezuela asphalt, $25 to $60 per ton; Bermuda asphalt, $25 to $35.
Cement:
Rosendale or Natural, in wood, 95 cts. per bbl.; Portland domestic, in sacks, $1.20 to $1.30; in wood, $1.50 to $1.60; German Portland, $1.90 to $2.10.
Copper:
Lake, 24 to 24.75 cts.; electrolytic, 23 to 23.50 cts; casting, 22 to 22.25 cts.
Lead:
New York, spot, 6 cts.
Spelter:
New York, spot, 6.40 to 6.45 cts.
Tin:
New York, spot, 41.25 to 41.75 cts.
Tar:
New York, $5.85 to $6 per bbl.
Pitch:
New York, $3.20 per bbl.

LUMBER—
New York, wholesale prices:
Piling—Spruce, ordinary cargoes, 6 to 7 cts.; oak, 14-in. butt, 40 to 50 ft., 19 cts.; 50 to 55 ft., 22 cts.; 55 to 60 ft., 23 cts.; 60 ft. and up, 25 cts.; pine, 60 to 65 ft., $8.50; 65 to 70 ft., $9.50; 70 to 75 ft., $10.50; 80 ft. and up, $16.
Railroad ties—Yellow pine, 6 x 9 ins. x 8 ft., 67 to 69 cts.; 6 x 8 ins. x 8 ft., 62 to 64 cts.; 7 x 9 ins. x 8 ft., 75 to 77 cts.; 7 x 8 ins. x 8½ ft., 74 to 75 cts., 7 x 9 ins. x 8½ ft., 79 to 80 cts.

CIVIL SERVICE EXAMINATIONS.

*ASSISTANT ENGINEER.—New York, N. Y.—The Municipal Civil Service Commission will hold an examination on July 31, to fill the position of Assistant Engineer, Board of Water Supply, New York. Applications will be received until 4 p. m., July 11. Frank A. Spencer is Secy.

ASSISTANT STEAM ENGINEER.—Washington, D. C.—An examination will be held by the U. S. Civil Service Commission on June 26 to secure eligibles to fill a vacancy of Assistant Engineer (qualified as electrician) in the Office of the Secretary of War, at $720 a year. Age limit, 20 years. Application form 1093.

INSPECTOR OF SEWER CONSTRUCTION.—New York, N. Y.—Municipal Civil Service Commission will hold an examination on June 27 to fill an existing position of Inspector of Sewer Construction at a salary of $4 a day. Age limit, 21 years. Applications will be received until 4 p. m., June 6. Frank A. Spencer is Secy.

CIVIL ENGINEER, ETC.—Albany, N. Y.—The State Civil Service Commission will hold examinations June 29, 1907, for the following positions: Assistant Civil Engineer, $5 to $6 a day; Engineering Examiner, State Civil Service Commission, $1,800 to $2,000 a year; Leveler, $4.50 to $5 a day. The last day for filing applications is June 22. Charles S. Fowler is Ch. Examiner.

STEAM ENGINEER.—Washington, D. C.—An examination will be held on June 26 by the U. S. Civil Service Commission to secure eligibles to fill vacancies as they may occur in the Custodian Service throughout the United States in the position of First-Class Steam Engineer, at salaries ranging from $1,200 to $1,600 a year. Age limit, 18 to 55 years. Application Form 1052.

SCIENTIFIC ASSISTANT (Male).—Washington, D. C.—An examination will be held by the U. S. Civil Service Commission on June 19 to secure eligibles from which to make certification to fill a vacancy in the position of Scientific Assistant, $720 a year, in the Bureau of Fisheries, and similar vacancies as they may occur. Men only will be admitted to this examination. Age limit, 20 years or over. Application Form 1312.

SURVEYOR OF MINERAL DEPOSITS.—Washington, D. C.—The U. S. Civil Service Commission announces an examination on June 26 to secure eligibles from which to make certification to fill two vacancies in the position of Surveyor of Mineral Deposits, one at $5 and the other at $4 a day, in the Land Office Service, and vacancies as they may occur in any branch of the service requiring similar qualifications. Age limit, 20 years or older. Application Form 1312.

LABORATORY INSPECTORS (Male).—Washington, D. C.—The U. S. Civil Service Commission announces an examination on July 10 to secure eligibles from which to make certification to fill at least three vacancies in the position of Laboratory Inspector (Male), at salaries ranging up to $2,000, depending upon the qualifications shown, in the Bureau of Animal Industry, Dept. of Agriculture, and similar vacancies as they may occur. Men only will be admitted to this examination. Age limit, 20 years or over. Application Form 1312.

CHIEF ENGINEER.—Chicago, Ill.—On June 26 an examination will be held by the U. S. Civil Service Commission to secure eligibles to fill a vacancy in the position of Chief Engineer in the United States post-office and court-house building at Chicago, Ill., and vacancies as they may occur in the Custodian Service throughout the United States requiring similar qualifications. The salary of the specific position to be filled will be from $1,800 to $2,500 a year, the entrance salary to be $1,800. Age limit, 18 to 55 years. Application Form 1052.

NAUTICAL EXPERT.—Washington, D. C.—The U. S. Civil Service Commission announces an examination on July 3 to secure eligibles to fill a vacancy in the position of Nautical Expert, at $1,000 a year, in the Hydrographic Office of the Navy Department, and similar vacancies as they may occur. At the request of the Department, applications will not be accepted from persons who have not attended for at least two years a nautical school of no less a grade than the schools maintained upon the schoolships of the States of Massachusetts, New York, and Pennsylvania, or who have not served for at least three years on board vessels navigating either the Great Lakes or the ocean. Age limit, 20 years. Application Form 1312.

ASSISTANT CHEMIST.—Washington, D. C.—The U. S. Civil Service Commission announces an examination on June 26-27 to secure eligibles to fill vacancies as they may occur in the position of Assistant Chemist, at salaries from $1,200 to $1,800 a year, in the Bureau of Chemistry, Department of Agriculture. The Department states that the higher salaries will only be paid to those who have had first-class training and considerable experience at miscellaneous work other than that obtained in a college or university course in chemistry, and that recent graduates and chemists who have not had wide and varied experience in analytical work may expect the possibility of lower salaries. Age limit, 20 years. Application form 1312.

CLERK-DRAFTSMAN.—Washington, D. C.—An examination will be held by the U. S. Civil Service Commission on June 19-20, to secure eligibles from which to make certification to fill the following-named vacancies in the position of Clerk-Draftsman in the offices of the surveyors-general of the Land Office Service, at the places indicated, and similar vacancies as they may occur: One, $1,400 a year, San Francisco, Cal.; two, $4 a day each, Phoenix, Ariz.; one, $4 a day, Helena, Mont.; two, $4 a day each, Reno, Nev. As the Commission has experienced considerable difficulty in securing eligibles for filling vacancies in the position of Clerk-Draftsman, qualified persons are urged to enter this examination. Age limit, 20 years. Application Form 1312.

TOPOGRAPHICAL DRAFTSMAN, COPYIST TOPOGRAPHICAL DRAFTSMAN.—On July 10-11, the U. S. Civil Service Commission will hold examinations to establish registrars from which to make certification to fill vacancies as they may occur in the positions indicated above. The salary for the position of Topographical Draftsman ranges from $1,000 to $1,500 per year, and for Copy-

1st Topographic Draftsman from $900 to $1,500 a year. As the result of the examination for Topographical Draftsman, a vacancy at $1,000 a year in the Hydrographic Office of the Navy Department will be filled. As an insufficient number of eligibles to meet the needs of the service was secured as the result of the examinations held on March 13, qualified persons are urged to enter these examinations. Age limit, 20 years or older. Application form 1312.

RODMEN.—Albany, N. Y.—At the State Civil Service examination for Rodmen, held on April 27, 102 candidates received 80 per cent. or over. The 20 receiving the highest rating were:

Kurtz, Ford, 133 Hazen St., Ithaca, N. Y. 94.80
Van Nostrand, George, 7078 8th Ave., New York 89.25
Budd, H. Percy, 307 Eddy St., Ithaca, N. Y. 89.00
Underwood, Paul H., 413 N. Tioga St., Ithaca, N. Y. 88.15
Patchke, August R., 29 Pinewoods Ave., Troy, N. Y. 86.75
Tripp, Harry H., 112 Hudson St., Ithaca, N. Y. 86.052
Chandler, Horace E., Dept. C. E., Brown University, Providence, R. I. 86.05
Saxton, Wilbur S., 119 Dryden Road, Ithaca, N. Y. 85.20
Babcock, Dudley P. 500 West 123d St., New York 85.15
Swinney, Robert E., 307 Eddy St., Ithaca, N. Y. 85.002
Doran, John T., 15 Smith St., Jamaica, N. Y. 84.80
Bush, John L., 324 N. Tioga St., Ithaca, N. Y. 84.40
Babcock, Edward M., 705 Madison Ave., Syracuse, N. Y. 83.75
Kellogg, George D., 123 Quarry St., Ithaca, N. Y. 83.70
Sawyer, John L., 406 Union St., Schenectady, N. Y. 83.65
Bayly, Lyster D., 610 Fourth St., Troy, N. Y. 83.55
Schultz, Gerd H., 149 Eighth St., Troy, N. Y. 83.30
Beard, John W., 308 Marshall St., Syracuse, N. Y. 83.10
Spelman, William A., 614 E. State St., Ithaca, N. Y. 83.002

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If you are in the market for material, equipment or supplies, and fail to find it in our advertising pages, send us full particulars, and we will gladly put you in touch with the right parties.

Also ask for our BUYERS' GUIDE

GEARS.—New Albany, Ind.—We are advised by Gobmann Bros. & Kahler Co., New Albany, Ind., that they desire to communicate with manufacturers of gear machinery.

MOTOR CARS.—Mogollon, N. Mex.—The Mogollon Motor Road Co., Mogollon, Socorro County, N. Mex., writes us that information is desired concerning motor cars, both passenger and freight.

REINFORCED CONCRETE.—Mineola, N. Y. —F. D. Leffingwell, Asst. to Ch. Engr. L. I. Motor Parkway, Mineola, N. Y., desires information relative to concrete contractors handling culvert and bridge work.

PERFORATED PIPE.—Bisbee, Ariz.—The Bisbee-Naco Water Co., Bisbee, Ariz., desires information relative to perforated water pipe to be placed on the exterior of houses for sprinkling in the event of conflagration.

ASPHALT PAVING BLOCKS.—Parkersburg, W. Va.—We are in receipt of a letter from O. Kennedy, 805 Ann St., Parkersburg, W. Va., stating that he is in the market for about 5,000 sq. yds. of asphalt paving blocks.

RAILROAD EQUIPMENT. — Lewistown, Mont.—We are advised by O. F. Wasmansdorff, City Engr., Lewistown, Mont., that he is in the market for 10 miles of relaying rails, two locomotives and 30 dump cars, all 36-in. gauge, for immediate use.

MACHINERY & STEEL WORKS EQUIPMENT.—Johnstown, Pa.—We are advised that "the Cambria Steel Company, Johnstown, Pa., will be pleased to receive the latest catalogues from manufacturers of machinery and supplies for general steel works equipment. All catalogues should be addressed care Chief Engineer."

POWER SAWS.—Wilmington, Del.—Edw. Cunningham, Erecting Supt., Pittsburg Filter Mfg. Co., 16th and Walnut Sts., Wilmington, Del., advises us that he desires to communicate with parties handling circular crosscut power saws with table complete. The power to be either electric motor or gas engine. The saw to be small and suitable for contract work.

INDUSTRIAL NOTES.

THE A. LESCHEN & SONS ROPE CO., St. Louis, Mo., announces the removal of its New York branch office from 463 Washington St. to the West Street Building, West St.

THE BLAW COLLAPSIBLE STEEL CENTERING CO., Westinghouse Bldg., Pittsburg, Pa., has opened an office at 1005 Chamber of Commerce Bldg., Chicago, in charge of Samuel J. Cogan.

THE NATIONAL WOOD PIPE CO., Los Angeles, Cal., announces the removal of its general offices from Sixth and Mateo Sts. to larger and more commodious quarters in the Equitable Savings Bank Bldg., Rooms 403-409, First and Spring Sts.

THE H. W. JOHNS-MANVILLE CO., 100 William St., New York City, is putting on the market a sweeping compound to take the place of wet sawdust, sand, salt and similar substances used to keep down the dust in sweeping rooms. This sweeping compound is called "Perolin," and is said to be a germicide as well as an effective dust preventer. It is claimed that it can be used on carpets, rugs, etc., without injury.

THE DAYTON PNEUMATIC TOOL CO., of Dayton, O., has received a large order for "Dayton" Pneumatic Chipping and Riveting Hammers from Sweden. Orders have also recently been received for a number of tools for shipment to England, Italy and Canada, and the Company reports a very satisfactory increase in foreign business."

THE W. K. PALMER CO., Kansas City, Mo., reports that Mr. L. C. Wilson, formerly engineer for the School Board of Kansas City, has recently associated himself with the company and will be connected particularly with the department of heating and ventilation. The company is prepared to design and supervise installation of ventilating and heating systems for all classes of buildings.

DODGE & DAY, Engineers and Constructors, whose main offices are in the Drexel Building, Philadelphia, have extended their business by opening an office in the United States Realty Building, 111 Broadway, New York, which has been placed in charge of Mr. Robert T. Lozier, who has for some years past been prominently connected with electrical industries. The new office has already closed contracts for several industrial and public utility plants.

B. F. STURTEVANT CO., of Boston, Mass., reports that among recent sales of high pressure type blowers are the following: F. A. McCarthy Brazing Co., Boston, Mass.; McGill University, Montreal, P. Q.; Vermont Snath Co., Springfield, Vt.; General Storekeeper, Navy Yard, Brooklyn, N. Y.; Dupaul, Young Optical Co., Southbridge, Mass.; St. Louis Car Co., St. Louis, Mo.; Montreal Light, Heat & Power Co., Montreal, P. Q.; Orange Iron Works, Orange, Texas; and Wile Power Gas Co., Boston, Mass.

THE EGYPTIAN HYDRAULIC STONE CO., LTD., has been organized by London capitalists closely associated with the Egyptian United Land, Ltd. This company has contracted with the Fisher Hydraulic Stone and Machinery Company of Baltimore, Md., for the exclusive right to operate its machinery in Egypt. The first large and complete equipment, now on the ocean, is expected to reach Alexandria June 1st to 15th. The first plant will be located at Alexandria and will be quickly followed by several others.

THE SPRAGUE ELECTRIC CO., of New York City, has opened a district office in the Hennen Building, New Orleans, which has been necessitated by the constantly increasing business in its various products in the southern territory. This office is under the management of Mr. F. V. L. Smith, lately Chief Inspector of the Louisiana Bureau of Fire Prevention, and will cover the territory included in the states of South Carolina, Florida, Alabama, Georgia, Tennessee, Mississippi, Louisiana, Arkansas, Texas, Oklahoma and Indian Territory.

THE POWER SPECIALTY CO., 111 Broadway, New York, report recent sales of 120 Foster Superheaters, aggregating 42,000 HP. These superheaters are to be installed in B. & W., Stirling, Edge Moor, Heine, Franklin, Atlas and other boilers, including a number of return tubular boilers. The above include a large number of repeat orders following the successful operation for from one to five years of initial installations. Among many others such successive orders have been received from: Solvay Process Co. (3), International Harvester Co. (3), James S. Kirk & Co. (2), Stone & Webster Engineering Corp. (6), Hartford Electric Light Co. (4), Philadelphia Electric Co. (3), Tennessee Copper Company (3), U. S. Navy Department (9), Quincy Market Cold Storage Co. (3), American Smelters Securities Co. (3), Electric Company of America (7).

MILLIKEN BROS., INCORPORATED, structural steel and iron contractors and constructors, of 11 Broadway, New York, have had filed a petition in bankruptcy. Liabilities are estimated at $6,500,000, of which $3,500,000 are unsecured and $3,000,000 bonds secured by mortgage on the plant at Mariners Harbor, Staten Island. The business is a very old one, having been established fifty years ago by Samuel Milliken, who retired in 1883. He was the father of Foster Milliken and Edward F. Milliken, who formed the firm of Milliken Bros. in 1884. For several years previously the style had been Milliken, Smith & Co. Up to 1890 Milliken Bros. confined their attention to the iron commission business, but after that date they began iron and steel contracting and installation, making rapid progress and operating in various parts of the world. They had branches at Pittsburg, San Francisco, Havana, City of Mexico, Honolulu, Johannesburg and Cape Town.

IT IS ANNOUNCED that the United States Steel Corporation has placed orders for 6,000 steel cars, to cost in the aggregate $6,500,000. To fill these orders not less than 60,000 tons of steel plates and shapes will be required. It is stated that about one-half of the cars under these orders have been placed with Pittsburg builders. In addition, the Union Railroad Company, of the Carnegie Steel Company, has forwarded a contract for 1,500 steel hopper cars to the Pressed Steel Car Company, and 500 patent steam dump cars to the Standard Steel Car Company.

These cars will be used on the Union Railroad in the distribution of cold slag about the terminals of the Bessemer & Lake Erie Railroad. The Chicago, Lake Shore & Eastern Railroad, another subsidiary of the United States Steel Corporation, has awarded a contract to the American Car & Foundry Company for over 3,000 steel cars for use on that system.

THE ALLIS-CHALMERS CO., Milwaukee, Wis., reports that the largest order for alternating current generators ever placed by one interest with any manufacturer of electrical apparatus in this country has recently been awarded by the United States Steel Corporation to Allis-Chalmers Company. The company has received orders for 32 gas-engine-driven electric generators, aggregating 68,000 K. W., 16 of which are to be installed in the new plant at Gary, Ind., now in course of construction by the Steel Corporation. The other 16 units are for the Homestead Plant of the Carnegie Steel Co., the South Chicago and Bay View (Milwaukee) Works of the Illinois Steel Co., and for the central furnaces of the American Steel & Wire Co., at Cleveland, Ohio. These are Allis-Chalmers standard type, 25 cycle, 3 phase alternators, and will be direct connected to Allis-Chalmers twin tandem gas engines, operated on blast furnace gas, which is the gas collected at the tops of furnaces and formerly allowed to go to waste. At the Gary plant of the Indiana Steel Co. the rail mill will probably require the greatest amount of power. This mill is situated about a half mile from the power house in which the 16 units will be housed, and will consume approximately 10,000 K. W. to operate the Induction Motors which drive the main rolls. These motors range in capacity from 2000 to 6000 H. P., and three of them have overload capacity of 9000 H. P. for an hour.

The breaking-down stands in the rail mill for reducing ingots to fair sized blooms will be driven by two 2,250 H. P. motors. The blooms will then go to the blooming mill, which is operated by one of the 6,000 H. P. motors, and from these they will pass to the mills driven by two 4,500 H. P. motors, receiving their finishing passes in the mill driven by a third 2,500 H. P. motor. All the tilting and feed tables for the various passes, all hot saws, hot and cold pull-ups, the transfer tables, straightening machines and cold saws, and all auxiliary machinery of the mill will be driven by electric motors.

For other Proposal Advertisements see pages 55, 56, 57, 58, of Advertisements and Construction News page 218.

CONCRETE RESERVOIR. LINING.

Olean, N. Y.

Sealed proposals will be received at the office of the Water Commissioners, City Building, Olean, N. Y., until July 1st, 1907, at 12 o'clock noon, for concrete lining of a new distributing reservoir on Cook's hill, South Olean.

General plans for the work can be seen, and specifications and forms of proposals and contract can be obtained at the office of the Board of Water Commissioners, City Building, Olean, N. Y.

The Board reserves the right to reject any or all bids, if it shall deem it to the best interest for the city.

The Board of Water Commissioners of the City of Olean, N. Y.

D. E. BARROWS,
DANIEL P. RAY,
G. S. BUSSELL,
Commissioners.

E. A. FISHER,
JOHN F. SKINNER,
Consulting Engineers.

Olean, N. Y., June 8th, 1907. 24-2t

HIGH SCHOOL BUILDING.

Cincinnati, Ohio.

The Board of Education, Cincinnati, Ohio, will receive bids for the construction of a new High school building, until 12 o'clock noon, Monday, July 8th, 1907. The cost of the building is estimated at $500,000. The contract will be awarded to the lowest responsible bidder. Parties may bid for the work as an entirety, or for the separate branches. Plans and specifications are on file in the office of the Superintendent of Buildings, No. 910 Main Street. A copy of the plans and specifications will be forwarded to any bidder upon deposit of a certified check in the amount of $50.00, which will be refunded upon the return of plans and specifications in good condition. For further particulars address

J. M. WITHROW, M. D.,
Chairman Building Committee.

24-4t

PROPOSALS FOR CONSTRUCTION, Fort Dade, Fla., June 1, 1907.—Sealed proposals will be received until 8 P. M., July 1, 1907, then opened, for construction of brick roads and cement walks here. Information on application. U. S. reserves right to accept or reject any or all proposals, or any part thereof. CAPT. M. H. BARRY, Const'g Q. M. 24-3t

SEALED PROPOSALS will be received at the office of the Light-House Engineer, Baltimore, Md., until 12 o'clock M., July 1, 1907, and then opened, for furnishing materials and labor of all kinds necessary for the completion and delivery of the Metal Work for the Pungoteague Creek, Va., beacon light, in accordance with specifications, copies of which, with blank proposals and other information, may be had upon application to the Light-House Engineer, Baltimore, Md. 24-1t

PAVING.

Camden, N. J.

Sealed proposals addressed to the Chairman of the Committee on Streets and Highways will be received on Tuesday evening, June 25th, 1907, at 8 o'clock, at the Committee Rooms of the Highway Department, City Hall, Camden, N. J., for furnishing the labor and material to perform the following work, in pursuance of specifications to be seen at the office of the City Engineer, for paving the following streets with sheet asphalt, Belgian or granite blocks, and wood blocks on a concrete foundation:

Hadden Ave., from Line St. to City Line.
Broadway, from Bulson Ave. to Newton Creek.
Federal St., from Coopers Creek Bridge to Twenty-seventh St.

A certified check or cash to the amount of $500 shall accompany each bid. Successful bidders' check or cash shall be forfeited unless the contracts are duly signed by them. By order of the Committee on Streets and Highways, who reserve the right to reject any or all bids.

EDWARD FRANCIS,
Chairman Committee on Streets and Highways.

24-1t

RECONSTRUCTING BRIDGE.

Harrisburg, Pa.

Sealed proposals will be received at the office of the Board of Public Works, 27 South Second Street, Harrisburg, Pa., until 2.30 o'clock P. M., Friday, July 5th, 1907, for the reconstruction of the Mulberry Street bridge, and all necessary appurtenances, in the city of Harrisburg, Pa.

Bids will be publicly opened at 3 o'clock P. M., Friday, July 5th, 1907.

Each bid must be accompanied by a preliminary bond in the sum of 10% of the cost of the work.

A surety company bond in the sum of 25% of the contract price will be required of the successful bidder.

Specifications, plans and proposal sheet can be obtained, after June 14th, at the office of the Board of Public Works upon making a deposit of $50.00. This deposit will be given back to the bidder upon the return to the Board of the plans and specifications in good condition.

The right is reserved to reject any and all bids.

D. E. TRACY,
Secretary Board of Public Works.

24-1t

BRIDGE.

New Orleans, La.

Pursuant to Ordinance No. 4551, N. C. S., sealed proposals will be received at the office of the Comptroller, in the City of New Orleans, until the hour of 1 P. M., Monday, July 15th, 1907, for the erection of a new bridge of the bascule or lift type to span Bayou St. John on the prolongation of the Axis of Esplanade Avenue, in accordance with plans and specifications on file in the office of the City Engineer.

Deposit of $1,500.00 with the City Treasurer, and his receipt enclosed with bid.

Bond in an amount equal to the contract price.

The City Engineer will furnish bidders with a blank form of proposal; no proposal will be considered unless submitted on such form.

Bidders must have paid their City license in order that their bids may be accepted.

The City reserves the right to reject any and all bids.

CHAS. R. KENNEDY,
Comptroller.

June 7th, 1907. 24-5t

REINFORCED CONCRETE ARCH BRIDGE.

Toledo, Ohio.

Sealed proposals will be received by the Board of Public Service of the City of Toledo, Ohio, at the office of said Board in Toledo, Ohio, until twelve o'clock noon, July 10th, 1907, for furnishing material and performing the labor necessary for the construction of the reinforced concrete arch bridge over the Maumee River, from the foot of Cherry Street to the foot of Main Street, in the City of Toledo, Ohio.

Length of bridge between abutments, 1,184 feet. Width of bridge, seventy feet.

Plans, specifications, instructions to bidders and contract forms for said work will be on file for the inspection of bidders at the office of said Board and at the offices of The Osborn Engineering Company, Osborn Building, Cleveland, Ohio, and No. 45 Broadway, New York City, on and after June 7th, 1907, and may be obtained at either of

above places upon deposit of the sum of $50.00 in cash or certified check, which amount will be refunded, provided said plans, specifications, etc., are returned to this office within thirty days after date of letting.

BOARD OF PUBLIC SERVICE,
24-2t Reynold Voit, Secretary.

HYDRO - ELECTRIC DEVELOPMENT CONSTRUCTION AND EQUIPMENT.

Winnipeg, Man.

Sealed tenders, on prescribed forms, addressed to the Chairman of the Board of Control, Winnipeg, Canada, and marked on the envelope "Point du Bois Hydro-Electric Development, tender for....." (here add the particular item or items as below), will be received at the office of the undersigned up to noon of Tuesday, 3rd day of September, 1907, for the construction of the General Works, and for the supply and erection of the various portions of the equipment for the Hydro-Electric Works and Station at Point du Bois, for a Transmission Line between Point du Bois and Winnipeg, and for a Receiving Transformer Station in Winnipeg.

Copies of the Instructions to Bidders, Plans, Specifications and Forms of Tender may be obtained at the Power Engineer's Office, Carnegie Library Building, Winnipeg, Canada.

Each tender must be accompanied by a certified cheque payable to the order of the City Treasurer for the sum called for in the corresponding "Instructions to Bidders," which cheque will become forfeit to the Corporation in the event of the successful tenderer refusing or neglecting to sign a satisfactory contract when called upon to do so.

Individual tenders will be received for:—

*(3) Telephone System.
(4) General Works at Point du Bois.
(5) 4,000 HP. Turbines (five).
(6) 450 HP. Turbines (two).
(7) 3,000 KW. Generators (five).
(8) 250 KW. Generators (two).
(9) Induction Motors (one).
(10) Step-Up Transformers (five).
(11) Generating Station, Switching and Accessory Apparatus.
(12) Generating Station, Light, Heat and Power Systems.
(13) Generating Station, Oil and Air Systems.
(14) Erection of Transmission System (75 miles).
(15) Steel Towers.
(16) High Tension Insulators.
(17) Electric Transmission Cable.
(18) Terminal Station.
(19) Step-Down Transformers (five).
(20) Terminal Station, Switching and Accessory Apparatus.
(21) Terminal Station, Light, Heat and Power Systems.
(22) Terminal Station, Oil and Air Systems.
(24) Testing Transformers and Apparatus.
(25) Electric Travelling Cranes (three).
(26) Turbine Governors (seven).
(27) Auxiliary Apparatus.
(28) Repair Shops.

An alternative lump-sum tender will be received for the entire work, including all of the above mentioned items together with additional work and equipment necessary to install a complete working plant. As a further alternative, tenderers may include or group together one or more of the above items providing that they have also tendered for the individual items of such group.

The Board reserves the right to reject any or all tenders, or to accept any tender which shall appear advantageous to the City of Winnipeg.

M. PETERSON,
Secretary.

The Office of the Board of Control,
Winnipeg, June 8, 1907.

*The numbers are those of the different volumes of specification. 24-6t

OFFICE OF THE COMMISSIONERS, D. C., Washington, D. C., June 10th, 1907.—Sealed proposals will be received at this office until 12 o'clock noon, M., on Saturday, June 29th, 1907, for grading and regulating suburban streets and avenues. Blank forms of proposal, specifications, and all necessary information will be furnished at the office of the Engineer Commissioner, D. C. HENRY B. F. MACFARLAND, HENRY L. WEST, J. J. MORROW, Commissioners, D. C. 24-2t

SEALED PROPOSALS in duplicate will be received at the office of the Commissioner of Immigration until 2:30 P. M., Tuesday, June 18, 1907, and opened immediately thereafter for all labor and materials required for heating work in Measles Ward A, B, and E, at the Ellis Island Immigration Station. Particulars as to limitations and conditions governing bidders may be obtained from ROBERT WATCHORN, Commissioner. 24-1t

CONDUIT LINE.

Carthage, N. Y.

Sealed proposals will be received by the Board of Water Commissioners, of the Village of Carthage, N. Y., up to 12 o'clock noon on the 24th day of June, 1907, for the Construction of a 12-inch conduit line, 14⅔ miles long an Intake Reservoir, Dam, and Gate House.

Proposals must be addressed to Eaton & Brownell, Engineers, care of President of the Water Board, Carthage, N. Y.

Specifications, Instructions to Bidders, and Blank forms of Proposal may be received and plans and profile inspected at the office of Eaton & Brownell, Carthage, N. Y.

The right is reserved to reject any and all bids.

P. R. WRAPE,
Pres. of the Board of Water Comrs.,
Carthage, N. Y.

EATON & BROWNELL,
Carthage, N. Y., Engineers. 24-2t

SEWERS.

Waterloo, Iowa.

Sealed proposals will be received by the city clerk of the city of Waterloo, Iowa, at his office in the city hall in said city until 7.30 o'clock p. m. on the 17th day of June, 1907, for the construction of sewers on various streets in said city. Said improvement to consist of approximately the following amounts:

48-inch concrete or vitrified paving brick, 1,590 feet.
Various sized standard vitrified sewer pipe or concrete and brick, 23,225 feet.
58 Manholes.
2 Bulkheads.

Each bid must be accompanied by a certified check of $2,000.00 inclosed in a separate envelope. Said check to be drawn on a known responsible bank at Waterloo, Iowa, and made payable to the city treasurer of the city of Waterloo, Iowa. The city reserves the right to reject any and all bids. Proposals received will be acted on by the city council on the 17th day of June, 1907, at 7.30 o'clock p. m.

CITY OF WATERLOO, IOWA,
By R. C. THOMPSON,
City Clerk.
24-1t

PAVING.

Clarion, Pa.

Sealed proposals will be received by the undersigned Clerk of the Borough of Clarion, Pa., until 7.30 p. m. on Monday, July 8th, 1907, for curbing, grading and paving Wood Street, from Second Avenue to Ninth Avenue; also Main Street, from Second Avenue to Third Avenue. Approximate estimate curbing, 9,085 lin. ft.; grading, 6,200 cu. yds.; paving, 16,780 sq. yds. Bidders will be furnished with blanks at the Office of the Borough Clerk, and no others will be accepted. All proposals must be accompanied with certified check for $100 as a guarantee they will sign agreement if awarded the contract. Specifications and all information may be had of the undersigned; plans can be seen at the Borough Hall. The Borough of Clarion, Pa., reserves the right to reject any or all bids.

G. G. SLOAN,
Borough Clerk.

JAMES RUTHERFORD,
Engineer.
June 6th, 1907. 24-2t

DRAINAGE CANAL.

Pine Bluff, Ark.

Sealed bids will be received by the chairman of the Cousot Drainage District, Pine Bluff, Jefferson Co., Ark., until 2 p. m., Tuesday, July 2nd, 1907, for the construction of approximately 16 miles of drainage canals. A certified check for $1,000.00 must accompany each bid. Right is reserved to reject any or all bids. Map, profile, specifications and form of contract may be seen at the office of the County Clerk, and the Bank of Pine Bluff, Pine Bluff, Ark., and at the office of Willis E. Ayres, civil and consulting engineer, Randolph Building, Memphis, Tenn. Monthly estimates of the work will be made, and paid for in cash.

A. M. BARROW,
Chairman Board of Directors,
24-2t Pine Bluff, Ark.

U. S. ENGINEER OFFICE, Wilmington, Del., June 6, 1907.—Sealed proposals will be received here until 11 a. m., June 26, 1907, for dredging Cohansey River, N. J. Information on application. C. A. F. FLAGLER, Maj., Engrs. 24-2t

MISSISSIPPI RIVER COMMISSION, 1st and 2d Districts, U. S. Engineer Office, Room 20, Custom House, Memphis, Tenn., June 5, 1907.—Sealed proposals for levee work in 1st and 2d Districts (White River Levee District) will be received at this office until 12 o'clock noon, July 5, 1907, and then publicly opened. Information furnished on application. WM. D. CONNOR, Capt. of Engrs. 24-3t

EXCAVATION.

NUTWOOD DRAINAGE AND LEVEE DISTRICT.

Jerseyville, Ill.

Sealed bids will be received by the Commissioners of the Nutwood Drainage and Levee District of Jersey County and Greene County, in the State of Illinois, at the office of the County Clerk of Jersey County, at Jerseyville, Illinois, until 2 o'clock P. M., July 10th, 1907, at which time and place said Commissioners will attend and publicly open said bids.

The work for which bids are solicited will be as follows:

Clearing—Right of Way for Levee..120 acres
Clearing—Right of Way for New Channel .....15 acres
Excavation—Muck Ditch under Levee. .....140,275 cu. yds.
Excavation—Drainage Ditches.304,700 cu. yds.
Excavation—New Channel for Macoupin Creek .....150,600 cu. yds.
Fill—Levee .....1,399,400 cu. yds.

The foregoing statement of quantities is approximately correct and will be used as the basis upon which the bids will be compared, but is not guaranteed.

Bids will be considered upon the foregoing work as a whole or in two sections, as follows:

1st. Excavation for Drainage Ditches, which will include the clearing of the land for the same.

2nd. All other work above specified.

Each bid must be accompanied by cash or a certified check in an amount equal to five (5) per cent. of the amount of the bid; enclosed in a separate envelope from that enclosing the bid, and if a certified check the same must be certified without qualification or reservation and drawn on some responsible bank in Jerseyville, Illinois, Chicago, Illinois, or St. Louis, Mo.; said check to be made payable to the order of the Treasurer of the Nutwood Drainage and Levee District. The envelope enclosing the cash or certified check shall be addressed plainly upon the outside with the name of the depositor and the fact that the said envelope contains cash or certified check.

Within ten days after notice of the same, the successful bidder will be required to enter into contract and execute a good and sufficient bond in an amount equal to twenty-five (25) per cent. of the amount of the contract with sureties to be approved by the Commissioners of said Drainage District.

The checks of unsuccessful bidders will be returned upon the awarding of the contract and of the successful bidder upon the signing of the contract and filing of acceptable bond.

Bids must be made in conformity with the forms for said bids which are attached to and form a part of the Specifications and Contract.

Plans and Specifications are on file and may be seen at the office of the County Clerk in the City of Jerseyville, Illinois, and at the office of the Harman Engineering Co., No. 109 South Jefferson Ave., Peoria, Illinois. Copy of the specifications, Form of Contract, Form of Bond and Form of Bid may be procured at either of the aforesaid places.

The Commissioners reserve the right to reject any or all bids.

AARON O. AUTEN,
S. M. REDDISH,
GEO. W. EDWARDS,
Commissioners.
Jerseyville, Ill.

HARMAN ENGINEERING CO.,
Engineers,
Peoria, Ill. 24-3t

WATER-WORKS.

Owosso, Mich.

Propositions will be received by the Board of Public Works of the City of Owosso, Michigan, until Friday, the fifth day of July, 1907, at 10:00 A. M., for sinking wells, furnishing pipes and all necessary attachments, machinery, etc., to deliver into our reservoir 1,500,000 gallons of pure water per twenty-four hours; contractors to furnish specifications as to style, number and size of wells, with a guarantee, and to give bonds to fulfil the agreement, together with a certified check for two per cent. of the amount of bid, check to be forfeited in case of failure to contract if awarded. The Board reserves the right to reject all bids. 24-2t

U. S. ENGINEER OFFICE, P. O. Box 654, St. Paul, Minn., June 5, 1907.—Sealed proposals for construction of bridge across Mississippi River at Fort Snelling, Minn., will be received at this office until 11 a. m., July 19, 1907, and then publicly opened. Information furnished on application. JAMES B. QUINN, Col., Engrs. 24-2t 2-1t

MUNICIPAL CIVIL SERVICE COMMISSION,
299 Broadway,
New York, June 11, 1907.

PUBLIC NOTICE IS HEREBY GIVEN that application will be received from Tuesday, June 11, until 4 P. M., Thursday, July 11, 1907, for the position of

ASSISTANT ENGINEER, BOARD OF WATER SUPPLY.

The examination will be held on Wednesday, July 31, 1907, at 10 A. M.

Candidates should not apply for this position unless they are ready to accept employment in any part of the State where their services may be needed.

The requirement of residence in the State of New York has been waived so far as it applies to this examination.

That section of Rule VIII, requiring that applications from non-residents of the City should bear the certificates of at least two reputable citizens of the City of New York, has been waived for this examination, subject to the approval of the Mayor and the State Civil Service Commission.

Applications must be made on forms supplied by the Commission.

The salary is $1,350 per annum and upwards. For further information as to compensation and qualification for the position, address the Board of Water Supply, 299 Broadway, New York City.

FRANK A. SPENCER,
24-4t Secretary.

U. S. ENGINEER OFFICE, Room F-7, Army Building, New York, N. Y., June 10, 1907.—Sealed proposals for dredging in Coney Island Channel and Flushing Bay, and extending breakwaters at Port Jefferson and Sag Harbor, N. Y., will be received at this office until 12 M., July 10, 1907, and then publicly opened. Information furnished on application. JOHN G. D. KNIGHT, Col., Engrs. 24-4t

U. S. ENGINEER OFFICE, New York City, June 8, 1907.—Sealed proposals for furnishing and trimming into U. S. dredges during the 12 months beginning July 1, 1907, about 24,000 tons bituminous coal will be received at this office until 12 M., June 28, 1907, and then publicly opened. Information furnished on application. W. L. MARSHALL, Lt.-Col., Engrs. 24-3t

OFFICE COMMISSIONERS, District of Columbia, Washington, June 6, 1907.—Sealed proposals will be received at this office until 12 o'clock noon, Tuesday, June 18, 1907, for the construction of sewers. Forms, specifications and necessary information may be obtained at Room 43, District Building, Washington, D. C. HENRY B. F. MACFARLAND, HENRY L. WEST, JAY J. MORROW, Commissioners, D. C. 24-1t

PROPOSALS FOR DREDGING.—Engineer Office, U. S. Army, Room 2, Custom House, Norfolk, Va., May 31, 1907.—Sealed proposals for dredging harbor at Norfolk, Va., will be received here until June 29, 1907, and then publicly opened. Information furnished on application. JOSEPH E. KUHN, Maj., Engrs. 24-2t

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., June 10, 1907.—Sealed proposals will be received at this office until 3 o'clock P. M., on the 18th day of July, 1907, and then opened, for the construction (complete) of the extension to the U. S. Post Office and Court House at Chattanooga, Tennessee, in accordance with the drawings and specification, copies of which may be had at this office, or at the office of the Custodian at Chattanooga, Tennessee, at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect. 24-2t

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., June 10, 1907.—Sealed proposals will be received at this office until 3 o'clock P. M., on the 3rd day of July, 1907, and then opened, for the new plumbing system, etc., in the U. S. Court House and Post Office building at Baltimore, Maryland, and extension thereto, in accordance with drawings and specifications, copies of which may be had at this office, or at the office of the Custodian of the building, at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect. 24-2t

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June
*20—Sewers, Ft.
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*26—Bridges, etc
*28—Dredging,
*29—Dredging,
July
*1—Concrete
N. J.....
27—Dry dock, B

LIST OF C

LIGHT, HEAT

6-20 Light plan
6-21 Lighting,
6-21*Lighting,
6-21 Equipment,
6-21 Power-hou
6-24 Boilers, et
6-24 Power-hous
6-24*Light plan
6-24 Equipment,
6-25*Power pla
6-26 Arc lights,
6-27 Equipment,
6-27 Lighting a
Harrison,
7- 1 Arc lights,
7- 1 Heating,
7- 9*Light plan
7-13 Equipment,
9- 3*Power plan

6-20 Bridge, G
6-20*Superstr.,
6-20 Bridges, W
6-22 Bridge, At
6-24 Bridge, Lo
6-24 Bridge, Do
6-24 Substruct,
6-24 Approaches
6-24 Bridges, B
6-25 Bridge, Nat
6-25 Bridges,
6-25 Bridge, To
6-26 Bridge, Og
6-26*Bridges, M
6-27 Bridge, Cla
6-28 Abutment,
7- 1 Bridge rep
7- 1 Bridge, E
7- 1 Reconstr.
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7- 1 Bridge, Po
7- 1*Bridge, Fr
7- 2 Bridges, B
7- 2*Bridges, N
7- 5*Bridge, Ha
7- 6 Superstr.,
7- 8 Bridge, Sa
7- 8 Substr., Fr
7- 8 Spans, Fre
7- 8 Bridge, He
7- 8 Bridge, Ha
7-10 Piers, etc.
7-10*Bridge wo
7-10 Bridge, To
7-10*Bridge, To
7-12 Bridges, Ir
7-13*Bridge, Ne
7-16 Bridges, et
7-16*Bridges, et
7-19*Bridge, Ft
7-20 Bridges, B

6-20*School, Ba
6-20*Air comp.
6-20 Painting,
6-21 Armories,
6-22 Building, W
6-24 Post-office,
6-24 Heating, N
6-28*Cornice, B
7- 1 Pulp plant
Falls, N.
7- 1*Post-office,
7- 1 Schools, Ne
7- 2*Post-office,
7- 2*Elevator,
7- 3*Plumbing,